SETUP & OPERATION MANUAL

18"/22" WOOD CUTTING BANDSAW

FEATURES

- Heavy-duty one-piece frame, designed for added stability. Requires no further assembly.
- Dynamically balanced cast-iron wheels with replaceable rubber tires,mounted on heavy-duty bearings.
- Solid cast-iron table with heavy-duty one-piece trunnion and 0-45° right tilting action for bevel cuts.
- Upper and lower dual bakelite block and 5 bearing deluxe blade guide system, with 10 points of contact. (*Model 90-290 only)*
- 2 cutting speeds for excellent results in either hard or soft woods. (*Model 90-290 only)*
- Convenient blade tension adjustment hand-wheel with tension scale.
- Safety foot brake simultaneously slows down the blade and disconnects electrical circuit for quick blade stoppage and emergency shut-off.
- Powerful, totally enclosed fan cooled (TEFC) industrial quality motor.
- Magnetic safety switch with lock-out switch key to prevent unauthorized use.
- Cast-iron miter gauge and dual miter slots in table for stable cross cuts on either side of the blade.
- Deluxe Excalibur bandsaw rip fence system with curved guide block and a 6" wooden resaw auxiliary fence.
- Onboard storage mounts for miter gauge rip fence.
- Short cut-off feed device keeps fingers safely away from the blade.

* *Model 90-290 only. Model 90-380 has 7 bearings.*

SPECIFICATIONS

WHEEL SIZE
18" (458 mm) – *90-290*
22" (560 mm) – *90-380*

WHEEL SPEED
(2) 600/840 RPM – *90-290*
(1) 800 RPM – *90-380*

MAX/MIN BLADE WIDTH
1 1/4" (32 mm)/1/4" (6 mm)

BLADE LENGTH
145 5/8" (3700 mm) – *90-290*
171 1/4" (4350 mm) – *90-380*

BLADE SPEED
2820 & 3936 Lin. FPM (860/1200 Lin. MPM) – *90-290*
4590 LIN. FPM (1400 Lin. MPM) – *90-380*

TABLE SIZE/TABLE HEIGHT
24" x 20" (610 x 510 mm)/37 3/8" (950 mm) – *90-290*
30" X 22 3/4" (765 X 580 mm)/35 1/4" (895 mm) – *90-380*

TABLE TILT
0°- 45° (Right)

MAX. WIDTH OF CUT/MAX. DEPTH OF CUT
17 5/8" (450 mm)/12" (305 mm) – *90-290*
21 5/8" (550 mm)/16" (407 mm) – *90-380*

MAXIMUM CUTTING (RIP FENCE)
16" (405 mm) – *90-290*
19 5/8" (500 mm) – *90-380*

DUST COLLECTION PORTS
2 x 4" (102 mm)

MOTOR
90-290 M1: 3 HP, 220 V 1PH 16 A
90-290 M2: 3 HP, 220 V, 3PH, 8.4 A
90-290 M3: 3 HP, 600 V, 3PH, 3.5 A
90-380 M1: 5 HP, 220 V, 1PH, 26 A
90-380 M2: 7.5 HP, 220/440 V, 3PH, 22/11 A
90-380 M3: 7.5 HP, 600 V, 3PH, 8 A

WEIGHT
605 LBS (275 kg) – *90-290*
825 LBS (375 kg) – *90-380*

MODEL
#90-290
#90-380

GENERAL INTERNATIONAL

VERSION 3_REVISION 1 - MAY 2013 (90-380: 92255913)
© Copyright General® International 2013

GENERAL® INTERNATIONAL
8360 Champ-d'Eau, Montreal (Quebec) Canada H1P 1Y3
Telephone (514) 326-1161 • Fax (514) 326-5555 • www.general.ca

THANK YOU for choosing this General® International model 90-290/90-380 18"/22" Wood Cutting Bandsaw. This bandsaw has been carefully tested and inspected before shipment and if properly used and maintained, will provide you with years of reliable service. For your safety, as well as to ensure optimum performance and trouble-free operation, and to get the most from your investment, please take the time to read this manual before assembling, installing and operating the unit.

The manual's purpose is to familiarize you with the safe operation, basic function, and features of this bandsaw as well as the set-up, maintenance and identification of its parts and components. This manual is not intended as a substitute for formal woodworking instruction, nor to offer the user instruction in the craft of woodworking. If you are not sure about the safety of performing a certain operation or procedure, do not proceed until you can confirm, from knowledgeable and qualified sources, that it is safe to do so.

Once you've read through these instructions, keep this manual handy for future reference.

Disclaimer: The information and specifications in this manual pertain to the unit as it was supplied from the factory at the time of printing. Because we are committed to making constant improvements, General® International reserves the right to make changes to components, parts or features of this unit as deemed necessary, without prior notice and without obligation to install any such changes on previously delivered units. Reasonable care is taken at the factory to ensure that the specifications and information in this manual corresponds with that of the unit with which it was supplied. However, special orders and "after factory" modifications may render some or all information in this manual inapplicable to your machine. Further, as several generations of this model of bandsaw and several versions of this manual may be in circulation, if you own an earlier or later version of this unit, this manual may not depict your machine exactly. If you have any doubts or questions contact your retailer or our support line with the model and serial number of your unit for clarification.

GENERAL® & GENERAL® INTERNATIONAL WARRANTY

All component parts of General®, General® International and Excalibur by General International ® products are carefully inspected during all stages of production and each unit is thoroughly inspected upon completion of assembly.

Limited Lifetime Warranty

Because of our commitment to quality and customer satisfaction, General® and General® International agree to repair or replace any part or component which upon examination, proves to be defective in either workmanship or material to the original purchaser for the life of the tool. *However, the Limited Lifetime Warranty does not cover any product used for professional or commercial production purposes nor for industrial or educational applications. Such cases are covered by our Standard 2-year Limited Warranty only. The Limited Lifetime Warranty is also subject to the "Conditions and Exceptions" as listed below.*

Standard 2-Year Limited Warranty

All products not covered by our lifetime warranty including products used in commercial, industrial and educational applications are warranted for a period of 2 years (24 months) from the date of purchase. General® and General® International agree to repair or replace any part or component which upon examination, proves to be defective in either workmanship or material to the original purchaser during this 2-year warranty period, subject to the "conditions and exceptions" as listed below.

To file a Claim

To file a claim under our Standard 2-year Limited Warranty or under our Limited Lifetime Warranty, all defective parts, components or machinery must be returned freight or postage prepaid to General® International, or to a nearby distributor, repair center or other location designated by General® International. For further details call our service department at 1-888-949-1161 or your local distributor for assistance when filing your claim.

Along with the return of the product being claimed for warranty, a copy of the original proof of purchase and a "letter of claim" must be included (a warranty claim form can also be used and can be obtained, upon request, from General® International or an authorized distributor) clearly stating the model and serial number of the unit (if applicable) and including an explanation of the complaint or presumed defect in material or workmanship.

CONDITIONS AND EXCEPTIONS:

This coverage is extended to the original purchaser only. Prior warranty registration is not required but documented proof of purchase i.e. a copy of original sales invoice or receipt showing the date and location of the purchase as well as the purchase price paid, must be provided at the time of claim.

Warranty does not include failures, breakage or defects deemed after inspection by General® or General® International to have been directly or indirectly caused by or resulting from; improper use, or lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any generally considered consumable parts or components.

Repairs made without the written consent of General® International will void all warranty.

TABLE OF CONTENTS

Rules for safe operation 5

Electrical requirements 6

Electrical Connections 6

Grounding instructions 6

Circuit capacity 6

Extension cords 6

Identification of main parts and components 7

Unpacking 8

List of contents 8

Additional requirements for set up 8

Clean up 8

Basic functions of the unit 9

Lifting and handling the machine 9

Placement within the shop / Establishing a safety zone 10

Placement within the shop 10

Establishing a safety zone 10

Assembly instructions 10

Attach the storage brackets 10

Install the foot brake 10

Install the blade tension adjustment handwheel handle 11

Install the push handle 11

Install the fence assembly 11

Basic Adjustments & Controls 11

Magnetic safety switch 11

Safety lock-out switch 12

Foot brake 12

Connecting to a power source 12

Tilting the table 12

Adjusting the 90° table stop and re-aligning the angle pointer 13

Blade Selection 14

Removing/Installing the blade 14

Blade Clearance 14

Adjusting blade tension 16

Adjusting blade tracking 17

Adjusting the upper/lower blade guides and thrust bearig 28

Positioning the upper and lower blade guide/ thrust bearing assemblies 18

Positioning the upper/lower blade guides 19

Positioning the upper/lower thrust bearing 19

Adjusting the blade guard for depth of cut 20

Changing spped settings (model 90-290 only) . . .20

Positioning the upper/lower blade guides 19

Align the laser line marker to the blade 21

Operating Instructions 21

Connecting to dust collector 21

Checklist before starting 21

Operations step-by-step 22

To stop the machine 22

Using the rip fence 22

Using the miter gauge 22

Using the push handle 23

Cutting curves 23

Cutting circles 23

Periodic Maintenance & Lubrication 23

Periodic maintenance 23

Lubrication 24

Required Maintenance 24

Replacing the bandsaw blade 24

Replacing the upper and lower blade guides and thrust bearings 25

Replacing the wheel tire 26

Replacing the lower wheel brush 26

Replacing the lower wheel motor belt 26

Recommended optional accessories 27

Parts list & diagrams 28

Rules for Safe Operation

To help ensure safe operation, please take a moment to learn the machine's applications and limitations, as well as potential hazards. General® International disclaims any real or implied warranty and hold itself harmless for any injury that may result from the improper use of it's equipment.

1. Do not operate the bandsaw when tired, distracted or under the effects of drugs, alcohol or any medication that impairs reflexes or alertness.

2. The working area should be well lit, clean and free of debris.

3. Keep children and visitors at a safe distance when the bandsaw is in operation; do not permit them to operate the bandsaw.

4. Childproof and tamper proof your shop and all machinery with locks, master electrical switches and switch keys, to prevent unauthorized or unsupervised use.

5. Stay alert! Give your work your undivided attention. Even a momentary distraction can lead to serious injury.

6. Fine particulate dust is a carcinogen that can be hazardous to health. Work in a well-ventilated area and whenever possible use a dust collector. Wear face, eye, ear, respiratory and body protection devices.

7. Do not wear loose clothing, gloves, bracelets, necklaces or other jewelry while the bandsaw is in operation.

8. Be sure that adjusting wrenches, tools, drinks and other clutter are removed from the machine and/or the table surface before operating.

9. Keep hands well away from the blade and all moving parts. Use a brush, not hands, to clear away chips and dust.

10. Adjust and position upper and lower blade guides before starting to cut. Upper blade guide should be adjusted to approximately 1/8" above the material to be cut.

11. Adjust blade tension and tracking before starting to cut.

12. Saw teeth must point down toward the table.

13. Be sure that the blade has gained full operating speed before starting to cut.

14. Always use a clean, properly sharpened blade. Dirty or dull blades are unsafe and can lead to accidents.

15. Use suitable workpiece support if the workpiece does not have a flat surface.

16. Hold material firmly against the table.

17. Do not work on long stock without adequate support on the out feed end of the table.

18. If using a power feeder, stop the feeder before stopping the bandsaw.

19. Do not push or force stock into the blade. The bandsaw will perform better and more safely when working at the rate for which it was designed.

20. Avoid working from awkward or off balance positions. Do not overreach and keep both feet on floor.

21. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning be sure it is properly re-attached before using the tool again.

22. Never leave the machine unattended while it is running or with the power on.

23. Use of parts and accessories NOT recommended by **General® International** may result in equipment malfunction or risk of injury.

24. Never stand on machinery. Serious injury could result if the tool is tipped over or if the cutting tool is unintentionally contacted.

25. Always disconnect the machine from the power source before servicing or changing accessories such as blades, or before performing any maintenance or cleaning, or if the machine will be left unattended.

26. Make sure that the switch is in the "OFF" position before plugging in the power cord.

27. Make sure the tool is properly grounded. If equipped with a 3-prong plug it should be used with a three-pole receptacle. Never remove the third prong.

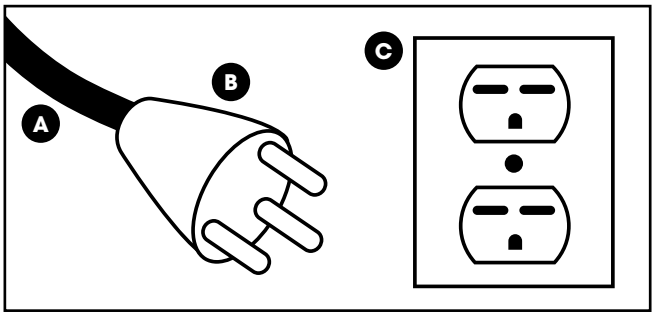
28. Do not use this bandsaw for other than its intended use. If used for other purposes, **General® International** disclaims any real or implied warranty and holds itself harmless for any injury, which may result from that use.

ELECTRICAL REQUIREMENTS

BEFORE CONNECTING THE MACHINE TO THE POWER SOURCE, VERIFY THAT THE VOLTAGE OF YOUR POWER SUPPLY CORRESPONDS WITH THE VOLTAGE SPECIFIED ON THE MOTOR I.D. NAMEPLATE. A POWER SOURCE WITH GREATER VOLTAGE THAN NEEDED CAN RESULT IN SERIOUS INJURY TO THE USER AS WELL AS DAMAGE TO THE MACHINE. IF IN DOUBT, CONTACT A QUALIFIED ELECTRICIAN BEFORE CONNECTING TO THE POWER SOURCE.

THIS TOOL IS FOR INDOOR USE ONLY. DO NOT EXPOSE TO RAIN OR USE IN WET OR DAMP LOCATIONS.

NOTE: VOLTAGE REQUIREMENTS AND AMPERAGE DRAW FOR M2 & M3 3-PHASE MOTORS MAY NOT BE FULLY DESCRIBED IN THIS MANUAL. FOR COMPLETE ELECTRICAL REQUIREMENTS REFER TO THE MOTOR I.D. NAME PLATE ON THE MACHINE. IF IN DOUBT CONSULT A LICENSED QUALIFIED ELECTRICIAN BEFORE PROCEEDING.



ELECTRICAL CONNECTIONS

Both a manual circuit breaker (or similar device) as well as an electrical plug (similar to the one shown) are recommended and **should be installed by a qualified electrician**.

Use locally approved wire **A** that includes a separate grounding wire and a 3 prong grounding type plug **B** with a matching receptacle **C**.

GROUNDING INSTRUCTIONS

In the event of an electrical malfunction or short circuit, grounding reduces the risk of electric shock to the operator. The motor of the "M1" model of this machine is wired for 220V single phase operation.

As with many stationary industrial type machines, because each installation situation is unique, this bandsaw is supplied without a power cord or plug.

The installation of an appropriate power cord and plug must be performed by a qualified electrician. The machine must be connected to an electrical source using a power cord that has a grounding wire, which must also be properly connected to the grounding prong on the plug. The outlet must be properly installed and grounded and all electrical connections must be made in accordance with all local codes and regulations.

CIRCUIT CAPACITY

Make sure that the wires in your circuit are capable of handling the amperage draw from your machine, as well as any other machines that could be operating on the same circuit. If you are unsure, consult a qualified electrician. If the circuit breaker trips or the fuse blows regularly, your machine may be operating on a circuit that is close to its amperage draw capacity. However, if an unusual amperage draw does not exist and a power failure still occurs, contact a qualified technician or our service department.

EXTENSION CORDS

The use of an extension cord is not generally recommended for 220V equipment. If you find it necessary, use only 3-wire extension cords that have 3-prong grounding plug and a matching 3-pole receptacle that accepts the tool's plug. Repair or replace a damaged extension cord or plug immediately.

Make sure the cord rating is suitable for the amperage listed on the motor I.D. plate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The accompanying chart shows the correct size extension cord to be used based on cord length and motor I.D. plate amp rating. If in doubt, use the next heavier gauge. The smaller the number, the heavier the gauge.

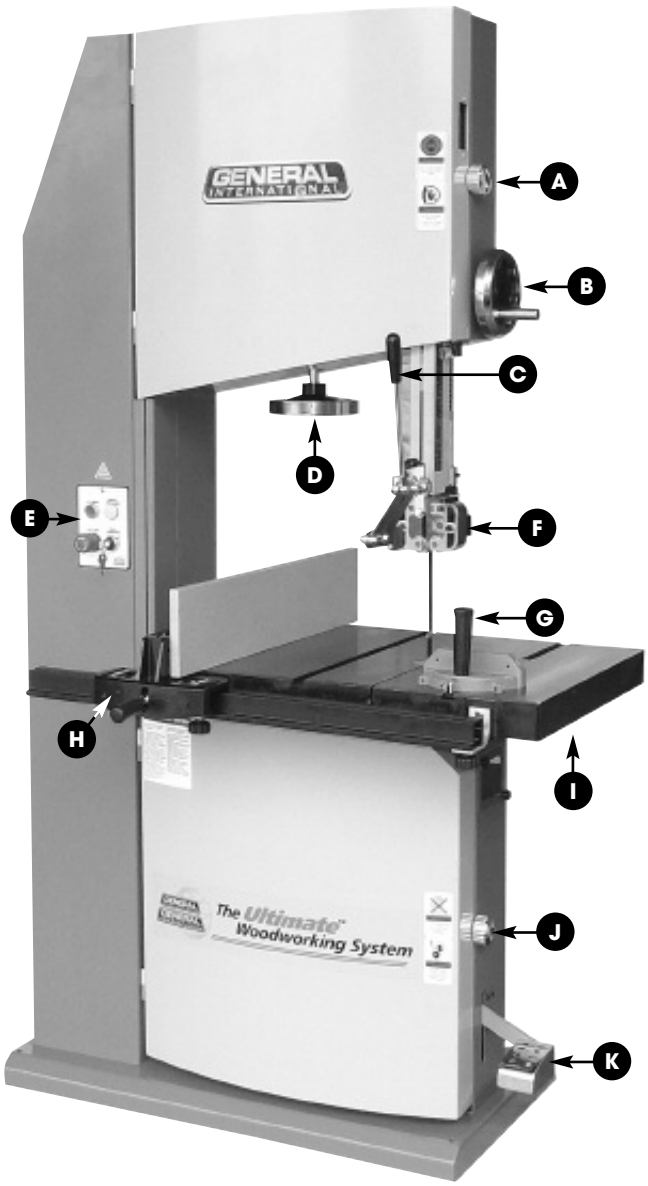
AMPERES (AMPS)	EXTENSION CORD LENGTH			
	50 FEET	100 FEET	200 FEET	300 FEET
< 5	18	16	16	14
6 TO 10	18	16	14	12
10 TO 12	16	16	14	12
12 TO 16	14	12	* NR	* NR

*** NR = Not Recommended**

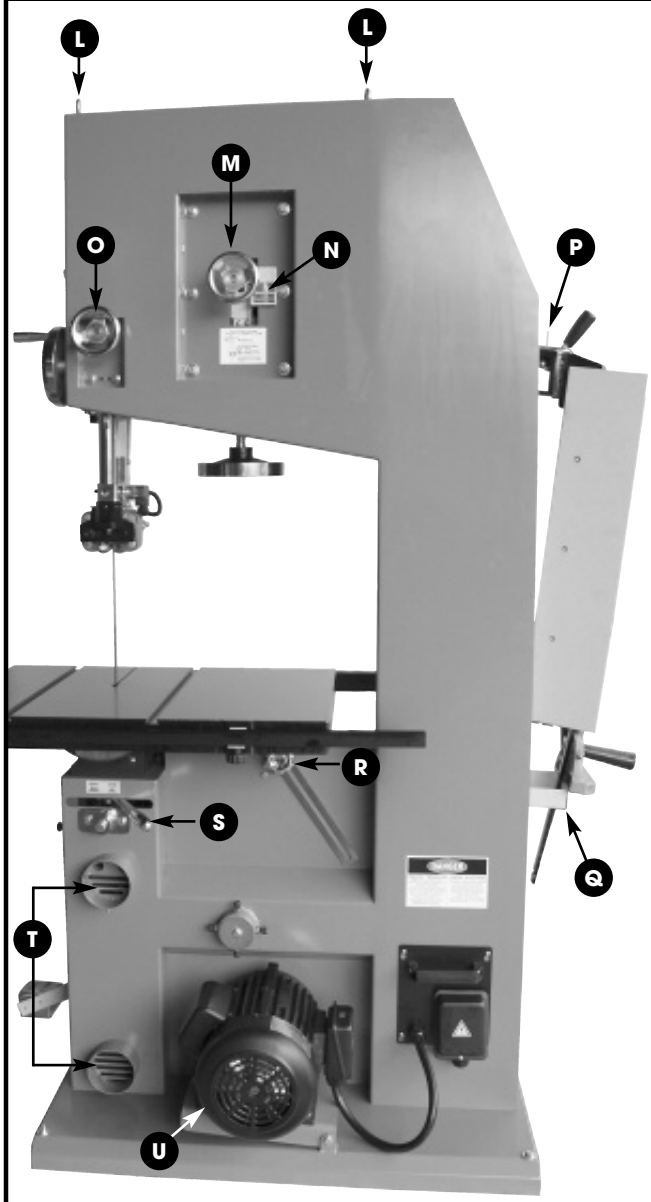
IDENTIFICATION OF MAIN PARTS AND COMPONENTS

FRONT VIEW

A- UPPER WHEEL COVER DOOR LOCK KNOB
B- BLADE GUARD HEIGHT ADJUSTMENT HANDWHEEL
C- PUSH HANDLE
D- BLADE TENSION ADJUSTMENT HANDWHEEL
E- MAGNETIC SAFETY SWITCH
F- UPPER BLADE GUIDE SYSTEM
G- MITER GAUGE
H- RIP FENCE
I- TABLE
J- LOWER WHEEL COVER DOOR LOCK KNOB
K- FOOT BRAKE



REAR VIEW



L- LIFTING EYEBOLTS (MODEL 90-380 ONLY)
M- BLADE TRACKING ADJUSTMENT HANDWHEEL
N- BLADE TENSION SCALE
O- BLADE GUARD HEIGHT LOCKING HANDWHEEL
P- RIP FENCE STORAGE BRACKET
Q- MITER GAUGE STORAGE BRACKET
R- TABLE TILT LOCK KNOB
S- TABLE TILT LOCKING LEVER
T- DUST OUTLETS
U- MOTOR

UNPACKING

Carefully unpack and remove the unit and its components from its shipping container and check for missing or damaged items as per the list of contents below.

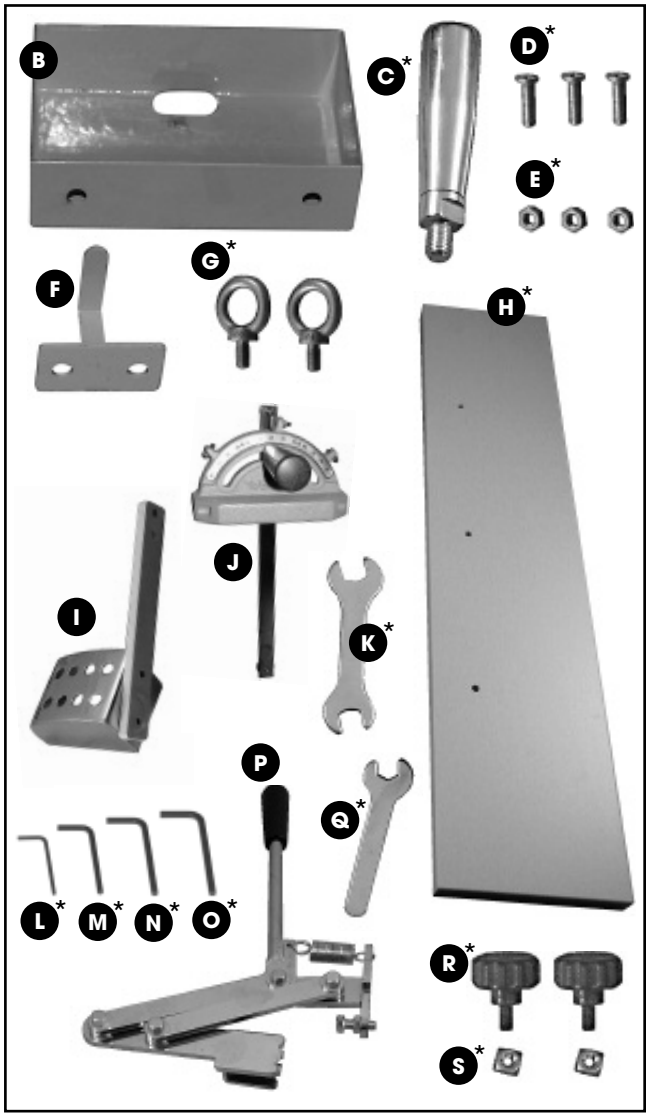
NOTE: Please report any damaged or missing items to your GENERAL® INTERNATIONAL distributor immediately.

LIST OF CONTENTS

		QTY
A-	BANDSAW (NOT SHOWN)	1
B-	MITER GAUGE STORAGE BRACKET	1
C-	HANDWHEEL HANDLE*	1
D-	WOOD SCREW*	3
E-	HEX NUT*	3
F-	RIP FENCE STORAGE BRACKET	1
G-	EYEBOLT* (Model 90-380 only)	2
H-	WOODEN AUXILIARY FENCE*	1
I-	FOOT BRAKE (Model 90-290 only)	1
J-	MITER GAUGE	1
K-	12-14 MM OPEN END WRENCH*	1
L-	3 MM ALLEN KEY*	1
M-	4 MM ALLEN KEY*	1
N-	6 MM ALLEN KEY*	1
O-	8 MM ALLEN KEY* (Model 90-290 only)	1
P-	PUSH HANDLE	1
Q-	10 MM OPEN END WRENCH*	1
R-	FRONT FENCE LOCK KNOB *	2
S-	SQUARE NUT*	2

Note: Deluxe Excalibur Universal Bandsaw Rip Fence System is packaged separately. Refer to the manual supplied in the box with the Excalibur Rip Fence for complete list of contents.

* ***Packaged in the box with the Excalibur Rip Fence System.***



ADDITIONAL REQUIREMENTS FOR SET UP

- Extra person for help with lifting
- Phillips screwdriver
- Flat head screwdriver
- Feeler gauge set
- Combination square

CLEAN UP

The protective coating on the saw table prevents rust from forming during shipping and storage. Remove it by rubbing with a rag dipped in kerosene, mineral sprits or paint thinner. (Dispose of potentially flammable solvent-soaked rags according to manufacturer's safety recommendations.)

A putty knife, held flat to avoid scratching the surface, may also be used to scrape off the coating followed by clean-up with solvent. Avoid rubbing the saw's painted surfaces, as many solvent-based products will remove paint.

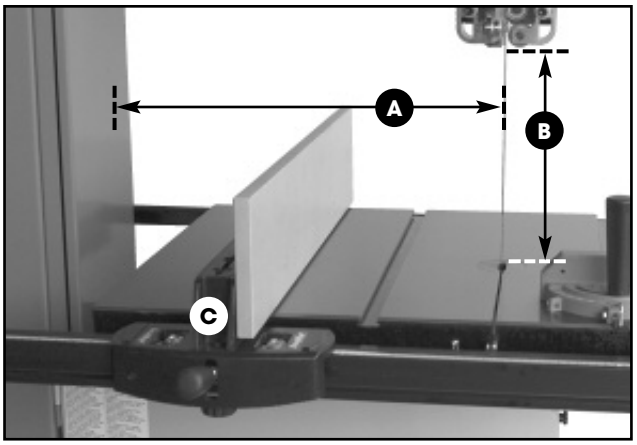
To prevent rust, apply a light coating of paste wax or use regular applications of any after-market surface protectant or rust inhibitor.

Tip: With a screw driver, push a solvent-saturated rag into the T-slots to remove the grease so the miter gauge will slide freely.

BASIC FUNCTIONS OF THE UNIT

Both the 90-290 18" and 90-380 22" Wood Cutting Bandsaw are designed to accommodate blade widths from 1/4" to 1-1/4". The 18" model 90-290 is supplied with a 3/4" wide general purpose blade and the 22" model 90-380 with a 1" wide general purpose blade.

Note: Generally speaking, because the upper wheel height is somewhat adjustable (to allow for blade tensioning), a blade length variation of plus or minus 1/2" from the "ideal blade length" can be accommodated.



The Maximum inboard width of cut (space between the blade and the body of the saw **A**) is 17 5/8" for the 90-290 and 21 5/8" for the 90-380.

For cutting thicker stock or for resawing, the maximum depth of cut **B** (or max. workpiece height) is 12" for the 90-290 and 16" for the 90-380.

An adjustable rip fence **C** is supplied to serve as a straightedge to guide the workpiece for longer rip cuts and includes an auxiliary fence face for additional fence height to support taller stock for resawing. The fence can easily be removed and set aside when not required, for example when making curved cuts.

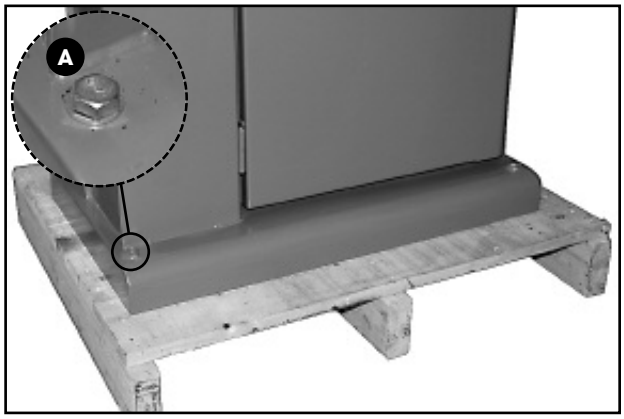
LIFTING AND HANDLING THE MACHINE

THIS BANDSAW IS VERY HEAVY. DO NOT OVER-EXERT. A HOIST OR FORKLIFT WITH CHAINS WILL BE NEEDED FOR THE FOLLOWING STEP.

TO LIMIT THE RISK OF SERIOUS INJURY OR DAMAGE TO THE MACHINE, ANY EQUIPMENT USED TO LIFT OR MOVE THIS MACHINE (HOIST OR FORKLIFT) SHOULD HAVE A RATED CAPACITY IN EXCESS OF 605 LBS (275 KG) FOR MODEL 90-290 AND 825 LBS (375 KG) FOR MODEL 90-380.

To limit the potential for damage in transport, this bandsaw is shipped from the factory bolted to its crate.

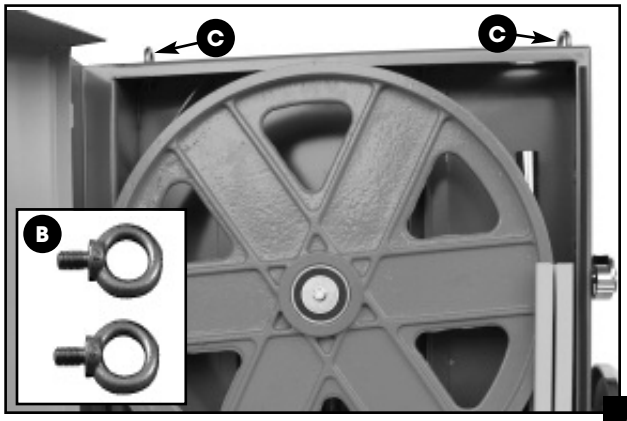
With a forklift or hydraulic pallet jack, move the entire crate as close to the final installation location as possible, and then uncrate the saw and remove the screws **A** that secure it to the crate.



Model 90-380 only

Two hoisting eyebolts **B** are supplied for installation on top of the saw **C** to facilitate lifting and setting the saw down.

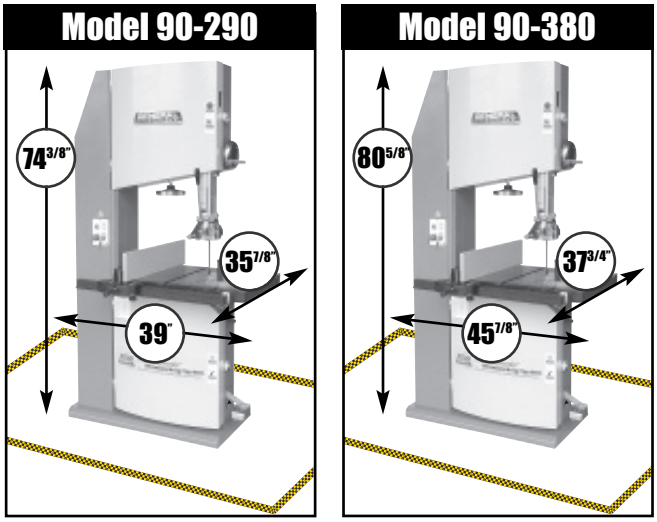
Make sure to use an appropriate capacity hoist or forklift with chains properly secured to the hoisting eyebolts and lift the saw from the crate and carefully set it down in the desired location.



PLACEMENT WITHIN THE SHOP / ESTABLISHING A SAFETY ZONE

PLACEMENT WITHIN THE SHOP

This machine should be installed and operated only on a solid, flat and stable floor that is able to support the weight of the bandsaw and the operator. Using the dimensions shown as a guideline, plan for placement within your shop that will allow the operator to work unencumbered and unobstructed by foot traffic (either passing shop visitors or other shop workers) or other tools or machinery.



ESTABLISHING A SAFETY ZONE

For shops with frequent visitors or multiple operators, it is advisable to establish a Safety Zone around shop machinery. A clearly defined "no-go" zone on the floor around each machine can help avoid accidents that could cause injury to either the operator or the shop visitor. It is advisable to take a few moments to either paint (using non-slip paint) or using tape, define on the floor the limits or perimeter of each machines safety zone. Take steps to ensure that all operators and shop visitors are aware that these areas are off limits whenever a machine is running for everyone but the individual operating the unit.

ASSEMBLY INSTRUCTIONS

For your convenience this bandsaw is shipped from the factory partially assembled and requires only minimal assembly and set up before being put into service.

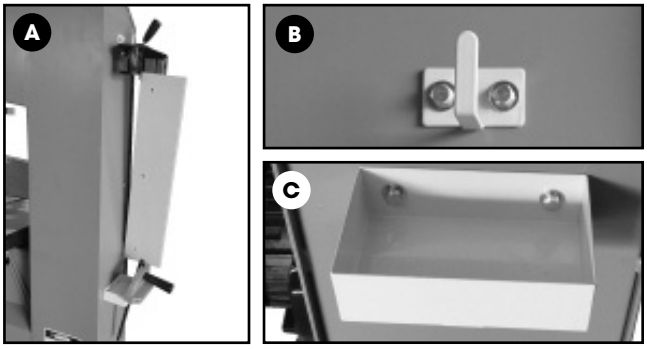
SERIOUS PERSONAL INJURY COULD OCCUR IF YOU CONNECT THE SAW TO THE POWER SOURCE BEFORE YOU HAVE COMPLETED THE INSTALLATION AND ASSEMBLY STEPS.

DO NOT CONNECT THE SAW TO THE POWER SOURCE UNTIL INSTRUCTED TO DO SO.

ATTACH THE STORAGE BRACKETS

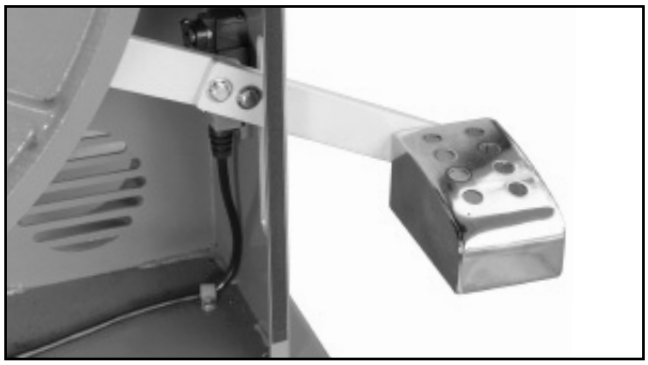
This bandsaw is supplied with convenient onboard storage brackets to safely stow the rip fence and miter gauge out of the way when not in use, **A**.

Attach the rip fence storage bracket **B** and miter gauge storage brackets **C** to the left side of the saw as shown, using the bolts and washers already mounted to the saw.



INSTALL THE FOOT BRAKE (MODEL 90-290 ONLY)

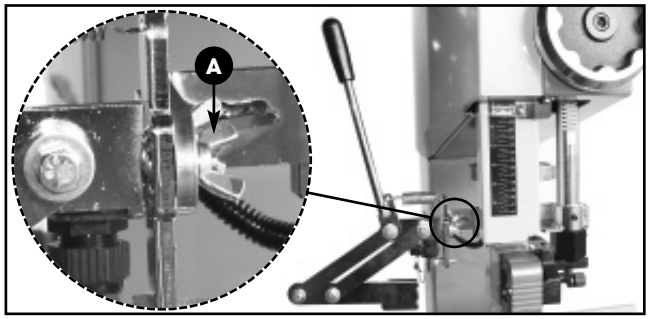
1. Open the lower wheel cover door.
2. Attach the foot brake to the foot brake mounting bar as shown using the two 3/8" cap screws, lock washers and flat washers already installed on the mounting bar.
3. Firmly tighten with the supplied 8 mm wrench.



INSTALL THE HANDLE ON THE BLADE GUARD HEIGHT ADJUSTMENT HANDWHEEL

1. Thread the handle **A** on the blade guard adjustment handwheel as shown in **B**.
2. Firmly tighten the handle using the supplied 12 mm wrench.

INSTALL THE PUSH HANDLE



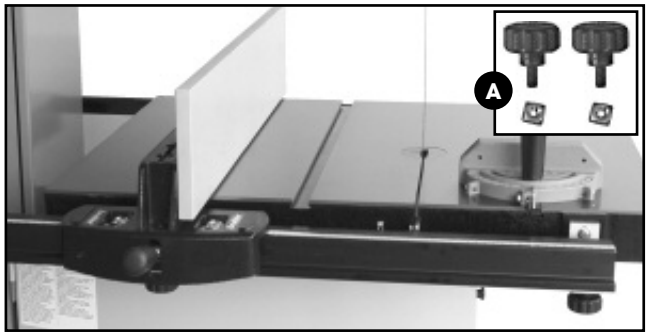
3. Attach the push handle to the push handle bracket as shown using the two wing nuts **A** already mounted on the push handle bracket.

INSTALL THE EXALIBUR FENCE SYSTEM

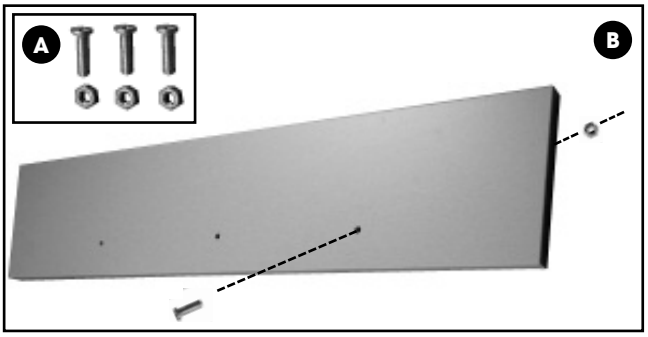
This bandsaw is supplied with an Excalibur Deluxe Bandsaw Rip Fence System.

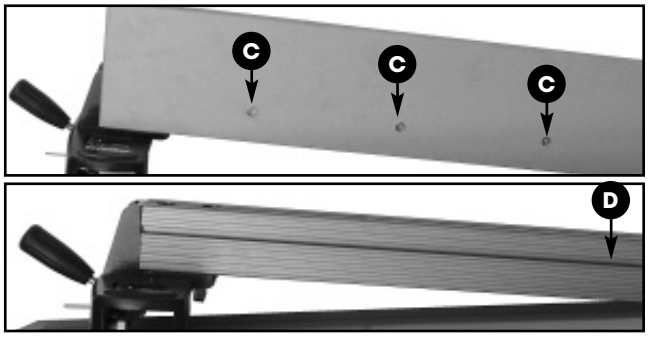
Follow all assembly and adjustment instructions in the 90-075A manual supplied in the box with the Rip Fence System.

For added convenience, two lock knobs with square nuts **A** are supplied with this bandsaw in replacement of the 5/16" screws, flat washers and square nuts supplied with the fence system for front rail installation.



An auxiliary wooden fence is also supplied for enhanced workpiece support when working with taller stock. Install the auxiliary wooden fence as follows:





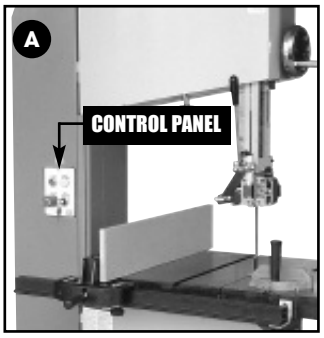
Loosely attach the 3 supplied screws and nuts **A** to the wooden fence as shown in **B**. Install the wooden fence on the right face of the rip fence by sliding the nut of the 3 screw/nut assemblies **C** in the T-slot on the right face of the rip fence **D**. Using a screwdriver, tighten the screws to secure the wooden fence against the rip fence.

BASIC ADJUSTMENTS AND CONTROLS

MAGNETIC SAFETY SWITCH

This bandsaw is equipped with a magnetic safety switch located on the control panel **A** at the front of the machine. This magnetic switch is designed to protect the unit and the user from power surges, power outages and unwanted or unintentional start-up.

The switch assembly is equipped with a green "ON" button **B** and a RED spring loaded "STOP" button **C**. Once the RED "STOP" button has been pressed, the machine can only be started by turning the RED button to the right to release the stop button.

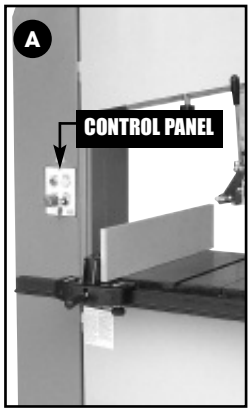


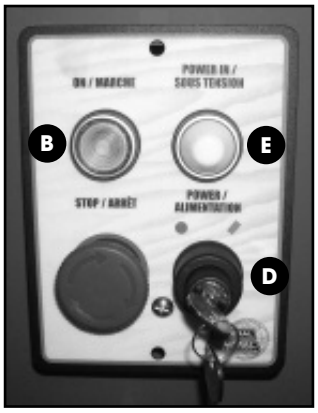
SAFETY LOCK-OUT SWITCH

To prevent unauthorized use, this bandsaw is also equipped with a safety lock-out switch with removable key, **D**, located at the front of the machine, on the control panel, **A**.

When this switch is locked, the machine cannot be started by pressing on the green "on" button **B**. To start the saw, set the power lock-out switch to the "on" position; the "power in" indicator light **E** will illuminate.

SET THE LOCK-OUT SWITCH TO THE OFF POSITION AND STORE THE KEYS IN A SAFE PLACE, OUT OF THE REACH OF CHILDREN, WHENEVER THE BANDSAW IS NOT IN USE.



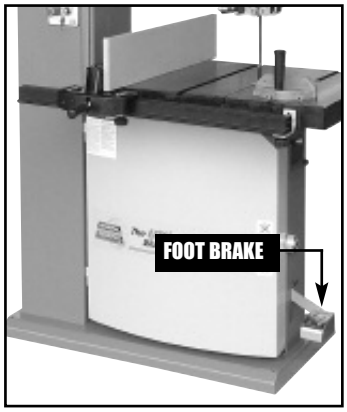


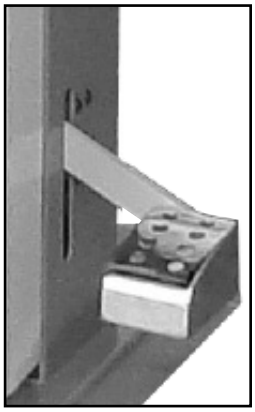
FOOT BRAKE

For quick blade stoppage and emergency shut-off, this bandsaw is equipped with a foot brake located at the bottom right of the machine. This safety foot brake simultaneously slows down the blade and disconnects electrical circuit to the motor.

Notice – The foot brake is not designed to function as the primary stop mechanism of this saw.

The foot brake should be used for emergency situations or any time it is necessary to immobilize the blade quicker than normal. Under normal working conditions the red stop button should be used as the primary stop mechanism. Continuously using the foot brake as the primary stop mechanism will lead to premature wear of the brake.





CONNECTING TO A POWER SOURCE

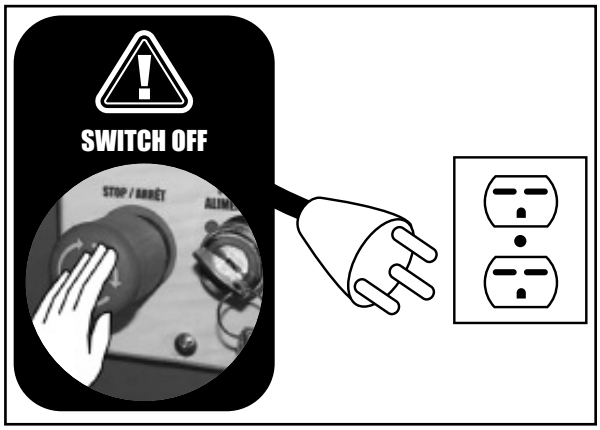
TO REDUCE THE RISK OF SHOCK OR FIRE DO NOT OPERATE THE UNIT WITH A DAMAGED POWER CORD OR PLUG. REPLACE DAMAGED CORD OR PLUG IMMEDIATELY.

TO AVOID UNEXPECTED OR UNINTENTIONAL START-UP, MAKE SURE THAT THE POWER SWITCH IS IN THE OFF POSITION BEFORE CONNECTING TO A POWER SOURCE.

Refer back to section "Electrical Requirements" and make sure all requirements and grounding instructions are followed.

Once the assembly has been completed, plug the power cord into an appropriate outlet.

When you have finished using the machine be sure to unplug the bandsaw from the power source.

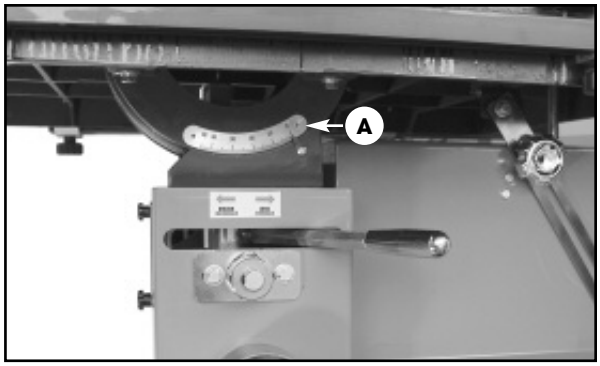


TILTING THE TABLE

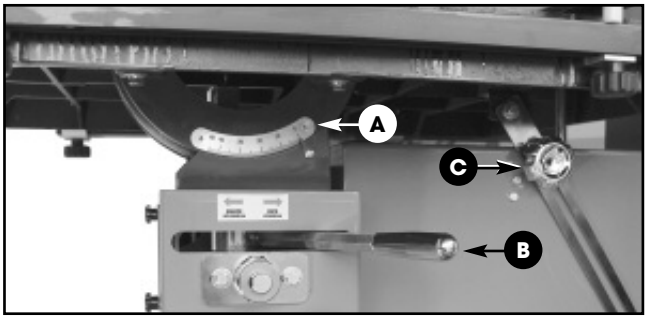
The table can be tilted to any angle from 0° to 45° to the right to allow for any type of bevel (or angle) cutting.

Refer to the table tilt angle indicator **A** located under the bandsaw table, to set the angle of the table to the desired position.

BEFORE MAKING ANY ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.



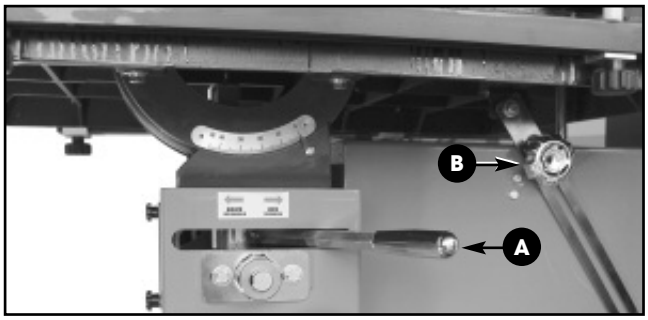
1. Push the table locking lever **B** to the left to unlock the table.
2. Loosen the table lock knob **C** and tilt the table until it is at the desired angle. (Refer to the angle indicator **A**.)
3. Re-tighten lock knob **C** and push locking lever **B** to the right to lock the table in position.

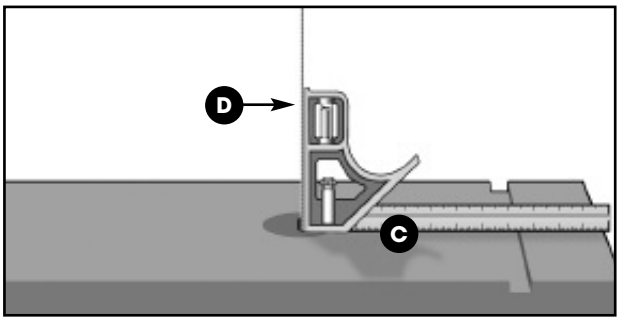


ADJUSTING THE 90° TABLE STOP AND RE-ALIGNING THE ANGLE POINTER

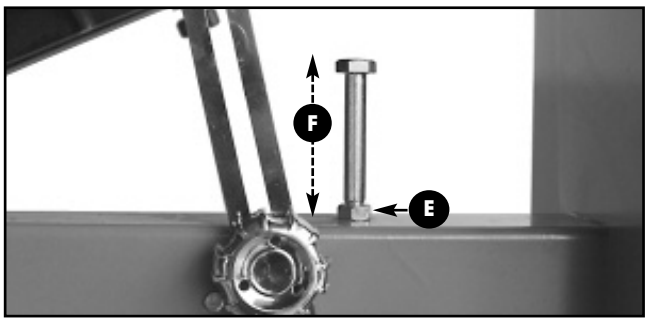
To ensure that your 90° cuts are square and that angled cuts are accurate with the angle indicator scale, the table default position must be set to 90° to the blade and the angle indicator pointer must be set to read 0 when the table is in the default (90°) position.

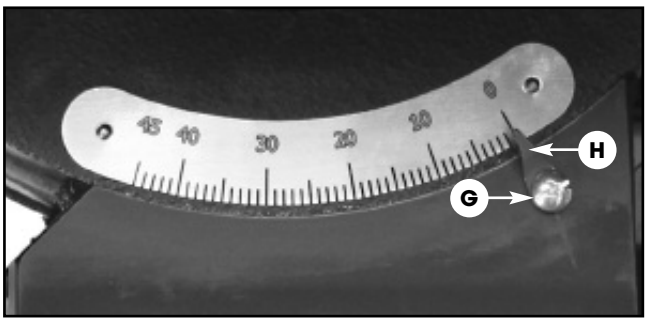
To set the table-stop bolt:





1. Loosen table locking lever **A** and table lock knob **B**.
2. Place a combination square **C** flat on the table with the heel of the square flat against the saw blade **D**.
3. Level the table until it is exactly 90° to the blade, then tighten locking lever **A** and lock knob **B**.





4. Using a 19 mm open end wrench, loosen the jam nut **E** on the 90° table-stop bolt, then adjust the height of the bolt **F** until it touches the underside of the table.
5. Loosen table locking lever **A** and table lock knob **B** and make sure the table is resting on the table-stop bolt.
6. Check the square and make sure the table is still at 90° to the blade. If not, re-adjust the table-stop bolt.
7. Re-tighten jam nut **E**.
8. With the table set to 90° and the stop bolt at the correct height, make sure the table tilt angle indicator pointer is set to read 0°.
9. If the pointer needs to be adjusted, loosen the screw **G** on the pointer of the front trunnion and adjust the pointer **H** to the 0 point on the scale. Then re-tighten the screw to secure the pointer in place.

You will now be able to accurately return the table to the 90° position automatically without further adjustments and scale reading for any angle other than 0 will also be accurate.

BLADE SELECTION

There are a variety of different types of bandsaw blades on the market to suit various cutting applications. Your results may vary based on usage, experience and personal preference.

Ask your local tool dealer for suggestions for bandsaw blades in 1/4" to 1 1/4" widths, based on what is available in your area. Ideal blade length for model 90-290 is 145 5/8" and 174 1/4" for model 90-380.

Note: Generally speaking, because the upper wheel height is somewhat adjustable (to allow for blade tensioning), a blade length variation of plus or minus 1/2" from the "ideal blade length" can be accommodated.

Some general guidelines to consider when choosing bandsaw blades:

- Wider blades with fewer teeth per inch are best suited to cutting straight lines, re-sawing and for sweeping curves, but will not turn tight radius curves. They will cut quickly and aggressively but do have a tendency to bind (or get stuck in the cut) if turned too sharply.
- Narrower, thinner blades with more teeth per inch will cut more slowly but can turn much tighter corners for cutting more intricate work.

Common causes of blade breakage:

- Poor blade guide or support bearing alignment and adjustment.
- Forcing or twisting a wide blade around a short radius.
- Feeding the workpiece too quickly.
- Dull teeth.
- Too much blade tension.
- Setting blade guard assembly too high above the work-piece.
- Lumpy or improperly finished braze or weld on the blade.
- Continuous running of the blade when not cutting.

REMOVING/INSTALLING A BLADE

BEFORE REPLACING OR ADJUSTING THE BLADE, MAKE SURE THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.

BLADE CLEARANCE

When performing blade installation, removal, tensioning or tracking, maximum clearance between the blade and both upper and lower blade guides/support bearing assemblies is required to minimize friction, which would be damaging to the blade.

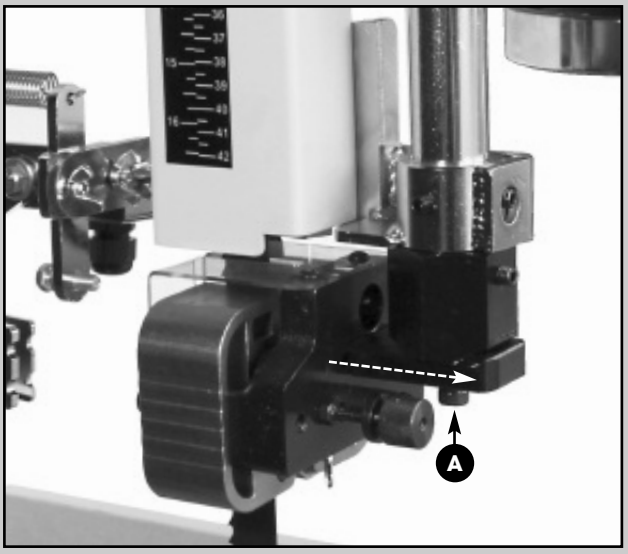
Upper assembly:

Using a 6 mm Allen key, loosen the cap screw **A** on the upper blade guides / support bearing assembly shaft.

Then move the assembly along the elongated hole in it's shaft, going back as far as possible for maximum blade clearance. Tighten the cap screw to lock the assembly in place.

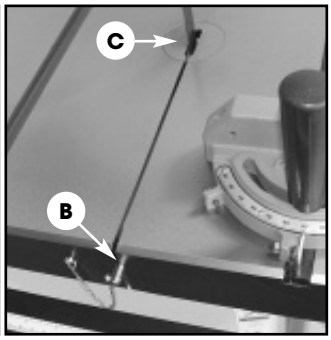
Lower assembly:

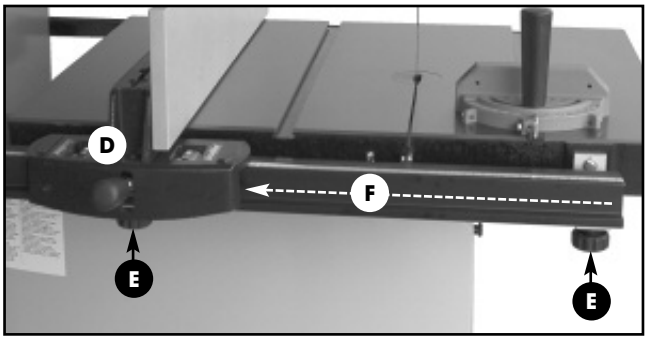
Repeat with the lower blade guides / support bearing assembly.

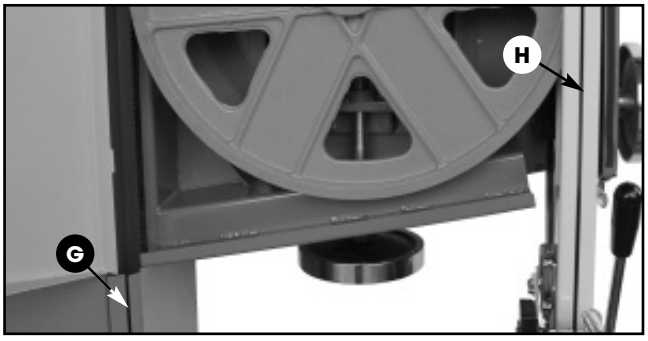


To remove a blade:

DO NOT ATTEMPT TO COIL UP THE BLADE AS IT WAS WHEN YOU FIRST PURCHASED IT AS IT HAS A TENDANCY TO POP OPEN UNEXPECTEDLY AND COULD CAUSE INJURY.







1. Turn off the bandsaw and unplug the power cord.
2. Release blade tension by turning the blade tension adjustment handwheel **A** counterclockwise.
3. Remove the insert, **B**, from the center of the table, and remove the table alignment pin **C** from the table slot.
4. Remove the rip fence, **D**, then loosen the lock knobs **E** and then slide the front rail **F** to the left,
5. Open the lower and upper wheel doors.
6. Carefully pull the blade from the side slot **G**, blade guard **H**, and from the wheels.

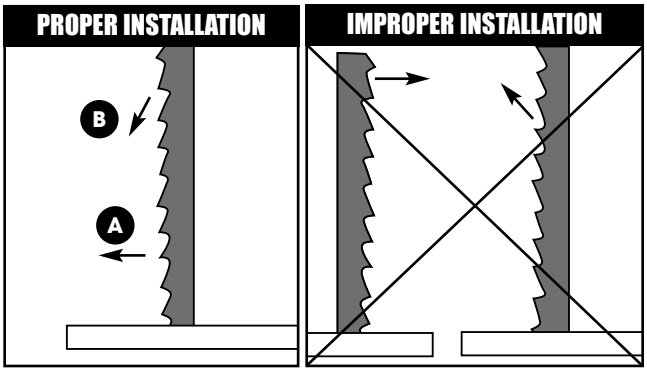
Note: You may want to use a thick shop towel to handle the loose blade or wear a pair of heavy duty work gloves.

7. Carefully hang the blade on a hook in a safe, dry place in your workshop if it will be re-used, or dispose of it safely if it is worn or damaged.

To install a blade:

BEWARE OF THE BLADE POPPING OPEN.

Note: You may want to use a thick shop towel to handle the loose blade or wear a pair of heavy duty work gloves for the following steps.



1. Turn off the bandsaw and unplug the power cord.
2. If you are installing a new blade, carefully remove the blade from its package. Hold it firmly with one hand as remove the twisties. Slowly separate the coils the blade until it unravels into one hoop.
3. To install a blade, repeat the previous steps in reverse order, making sure that the blade is installed with the teeth pointing forward **A** and down **B**.

With the blade properly instsalled, proceed to blade tension adjustments on blade tracking adjustments, as per instructions on the next few pages.

ADJUSTING BLADE TENSION

Determining ideal blade tension is somewhat subjective. It is learned through practice and experience and is somewhat dependant on personal preference and individual work habits.

A properly tensioned blade is critical to obtaining maximum performance from any bandsaw. A properly tensioned blade will last longer and be much less likely to break prematurely. If the blade tension is too loose you will notice that the blade will have a tendency to drift or slip off-line when cutting and you will have more difficulty controlling your cuts. A blade that is tensioned too tightly will break prematurely and will be difficult to work with when making tighter radius cuts.

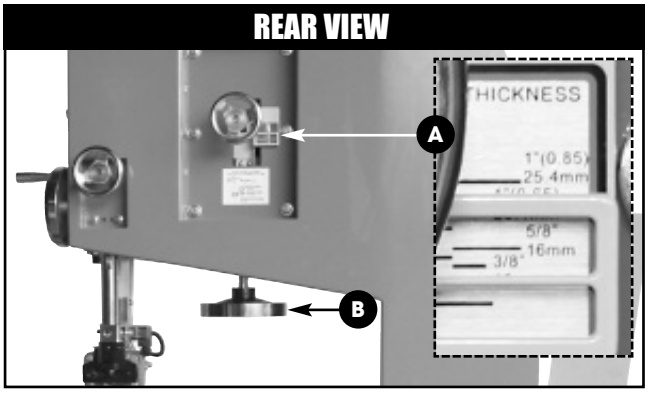
The following information can be used as a guideline or starting point to assist you in determining ideal blade tension for your needs:

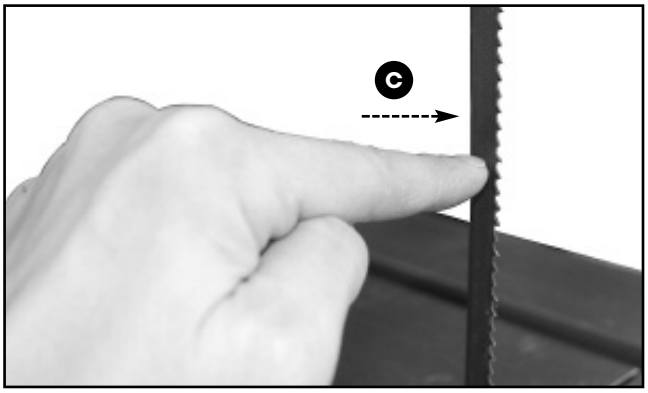
- When working with wider blades, re-sawing taller stock, making straight cuts or wide sweeping curves tighter blade tensions will provide better results.
- When working with narrower blades, sawing shorter stock and making tighter curved cuts are best performed using less tension.

This bandsaw is equipped with a blade tension scale, which can be used as a reference for the ideal setting with various blade widths.

To adjust blade tension, proceed as follows:

BEFORE MAKING BLADE TENSION ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.





1. Refering to the blade tension scale **A**, set the blade tension to correspond with the width of the blade installed on your bandsaw. Adjust the blade tensioning by turning handwheel **B**:

   - Clockwise to tighten

   - Counter-clockwise to loosen the blade tension.

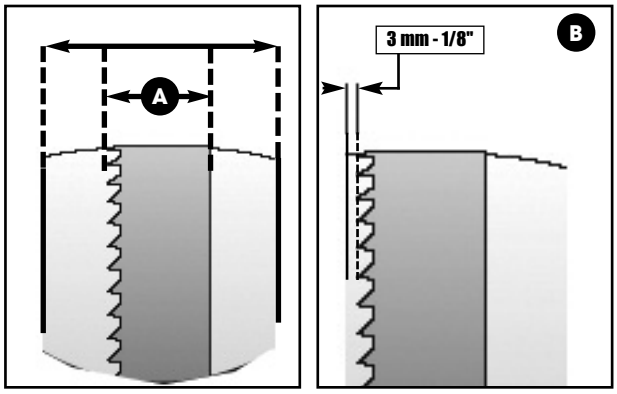
2. **With the saw turned off**, press against the side of the blade, **C**, to test the tautness of the blade. For ideal results with most blade widths and cutting applications the blade should flex in no more than 1/4" to 3/8".

3. Make a test cut on a sample piece of wood and if needed re-adjust the blade tension

NOTE

To prolong the life of the blade whenever the bandsaw is not in use for prolonged periods (more than 24 hours), loosen the blade tension handwheel to remove tension from the blade, Over time, maintaining tension on a blade that is not in use will cause the blade to deform, by taking the shape of the wheels at both extremities. This can weaken the blade and cause premature breakage.

ADJUSTING BLADE TRACKING



Ideally, the blade should stay relatively centered **A** on both the upper and lower wheels.

Due to natural variations in castings, blade thickness or density and tire wear, absolute perfect centering alignment is rarely attainable. A slight misalignment of the blade on the wheels is inevitable and as long as it is kept to a minimum (following the steps listed below) will not hinder the performance of the saw.

This misalignment is controlled and kept to a minimum primarily by adjusting the tilt angle of the upper wheel.

When adjusting blade tracking to center the blade on the wheels and assuming that perfect centering is not attainable, it is preferable to have the blade slightly off-center towards the front of the wheels rather than towards the rear because the teeth on most band saw blades have alternating hook (one inner, one outer) – therefore if the blade is centered too far back on the wheel (or if the blade tension is too tight), inner hooked teeth will dig into the wheel tire and cause premature wear of the tire.

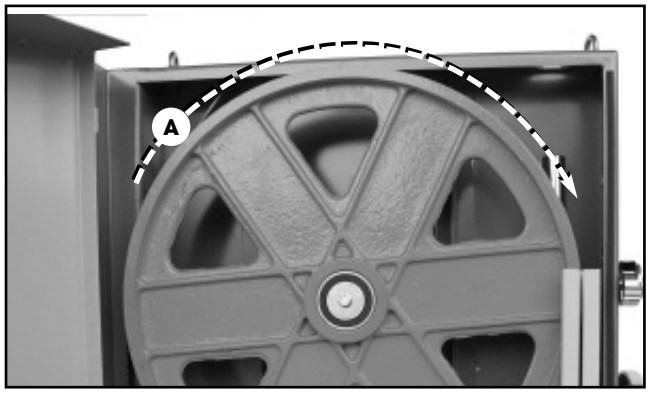
Nonetheless, to avoid having the blade come off of the wheels on it's own during operation, the front edge of the blades teeth should never be any closer than 3mm (1/16") from the front edge of the wheel **B**.

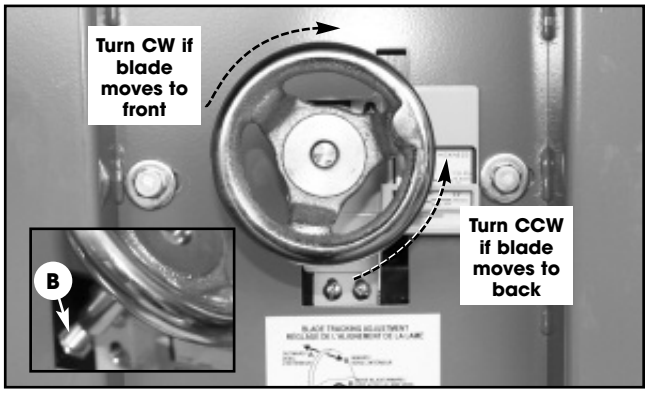
BLADE CLEARANCE

Note: As previously stated, when performing blade installation, removal, tensioning or tracking, maximum clearance between the blade and both upper and lower bearing assemblies is required to minimize friction, which would be damaging to the blade. Refer back and follow the instructions for "blade clearance" before performing blade tracking adjustments.

To adjust the blade tracking:

BEFORE MAKING BLADE TRACKING ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.





1. Open the upper wheel cover door then rotate the wheel slowly forward by hand **A** and check (through the window of the upper wheel) the position of the blade on the wheel. The blade should remain as centered as possible on the wheel as it turns.
2. If the blade tracking must be adjusted, loosen the jam nut **B** on the tracking adjustment handwheel using the supplied 14 mm open end wrench, then turn the handwheel:
   - Clockwise if the blade moves toward the front of the wheel. This tilts the top of the wheel to the back and moves the blade toward the center.
   - Counterclockwise if the blade moves toward the back edge. This tilts the top of the wheel to the front and moves the blade toward the center.

Note: Turn the tracking handwheel in 1/2 turn increments, re-check and adjust again as needed.

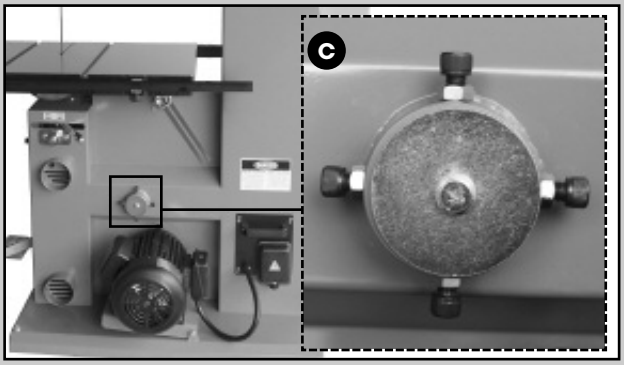
3. With the tracking set, re-tighten the jam nut **B**.

Note

The upper and lower wheels are factory set to allow for easy and optimal blade tracking adjustments using the primary blade tracking adjustment handwheel, which adjusts the angle of tilt of the upper wheel.

In extremely rare cases, if acceptable blade tracking cannot be attained through the primary adjustment it may eventually become necessary to make minor adjustments to the angle of tilt of the lower wheel.

The four cap screws* D *may be adjusted in or out to tilt the lower wheel up/down or left/right as needed.

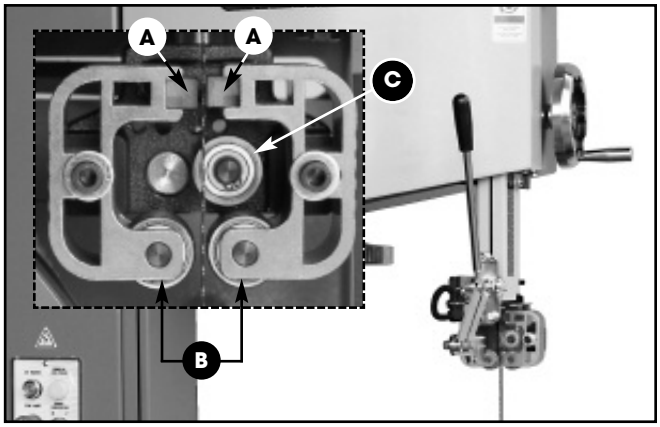


ADJUSTING THE UPPER/LOWER BLADE GUIDES AND THRUST BEARING

The blade guide bakelite blocks **A** and bearings **B** keep the blade from moving from side to side during cutting and must be snug but not touching the blade in order to ensure accurate cuts.

The thrust bearing **C** keeps the blade from moving back and out of position when the work is being fed into the blade and must be very close to the back of the blade to prevent damage to the blade during cutting.

Note: Before adjusting the upper and lower blade guide assemblies, make sure the blade is tensioned and tracking properly. Adjust the upper and lower blade guide assemblies after each blade tension and tracking adjustment. Whenever the upper guide bearings and thrust bearing are adjusted, the lower guide bearings and thrust bearing should also be adjusted.



BEFORE MAKING ANY ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.

POSITIONING THE UPPER AND LOWER BLADE GUIDE/THRUST BEARING ASSEMBLIES

The upper/lower blade guides and thrust bearing are both assembled as one unit which can be moved back or forward.

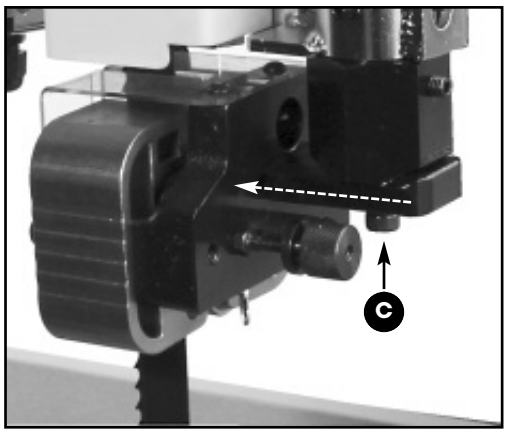
To prevent damage to the blade, the blade guide bearings must remain behind the blade teeth during operation. Proceed as follows:

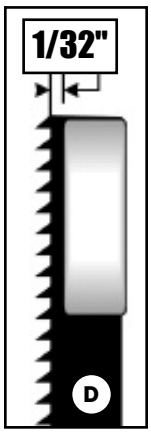
Upper assembly:

1. Using a 6 mm Allen key, loosen the cap screw on the upper guide assembly shaft, **C**.
2. Then move the upper assembly forward along the shaft until the blade guide bakelite blocks and bear ings are at least 1/32" behind the blade teeth, (do not protrude past the hollowed part of the teeth of the blade, **D**).
3. Re-tighten the cap screw to secure the upper assembly in position.

Lower assembly:

Repeat with the lower guide assembly.

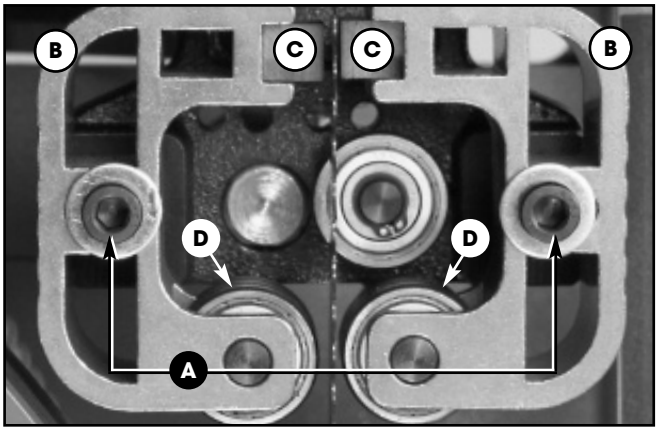


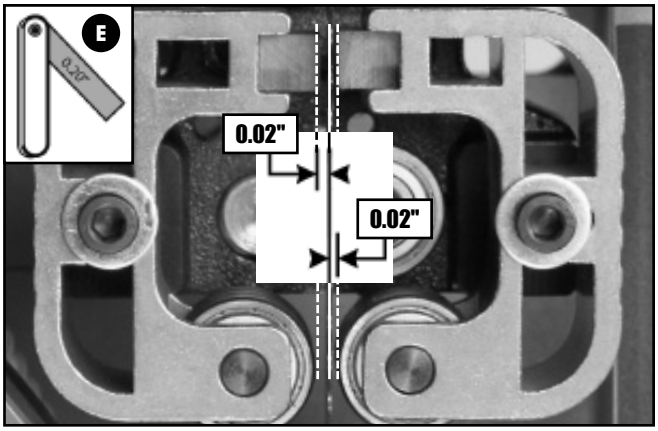


POSITIONING THE UPPER/LOWER BLADE GUIDES

The space between each bearing and the blade must not exceed 0.02" (the thickness of a sheet of paper). If less space is left, the blade will get stuck or jammed between both bearings. Too much friction will cause blade to overheat and break.

Adjust the positioning of the blade guides as follows:





1. Using a 6 mm Allen key, loosen the two cap screws, **A.**
2. Adjust the left and right mounts **B** that hold the bakelite blocks **C** and guide bearings **D** to obtain a space of 0.02" (the thickness of a sheet of paper) between the blade and blocks & bearings.

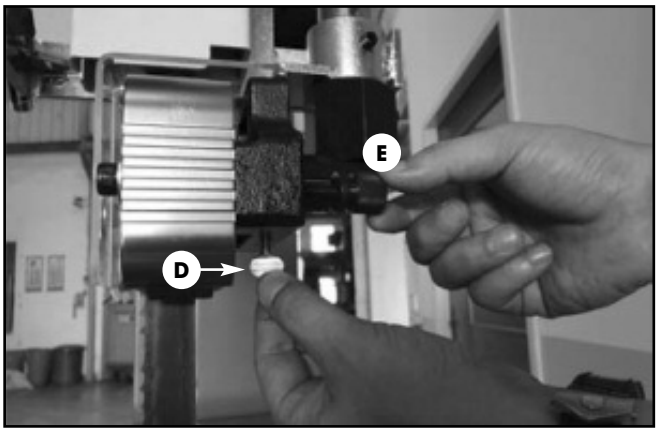
Tip: Place a feeler gauge C or sheet of paper between the blocks & bearings and the blade to make sure there is a 0.02" space.

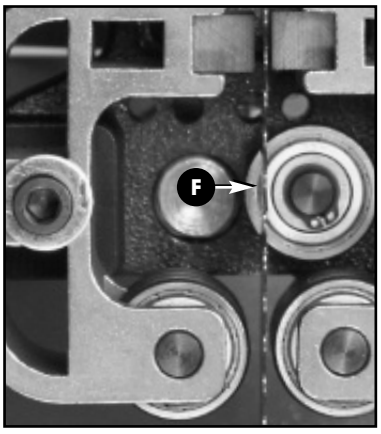
3. Re-tighten the two cap screws **A** to lock the mounts in position.
4. Repeat steps 1 to 3 with the lower blade guides.

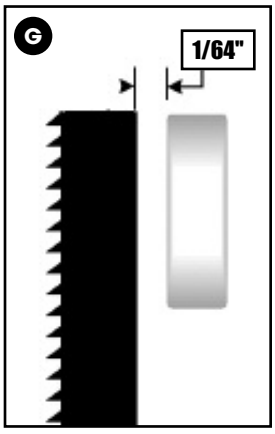
POSITIONING THE UPPER/LOWER THRUST BEARING

The thrust bearings keep the blade from moving back and out of position when the work is being fed into the blade and must be very close to the back of the blade to prevent damage to the blade during cutting.

Adjust the positioning of the upper and lower thrust bearings as follows:







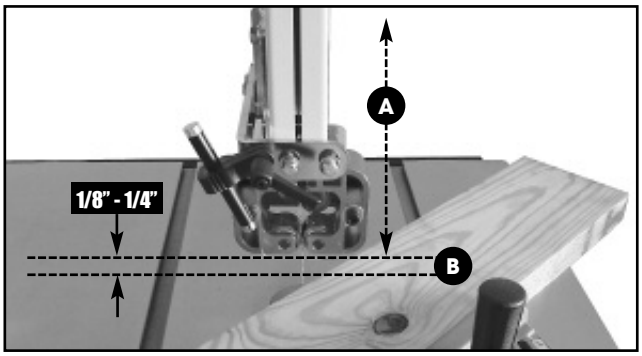
1. Loosen thumb screw **D.**
2. Turn the adjustment knob **E** to move the thrust bearing in or out, until the bearing **F** almost touches the blade (is 1/64" behind the back of the blade **G**).
3. Re-tighten thumb screw **D** to lock the thrust bearing in position.
4. Repeat steps 1 to 3 with the lower thrust bearing.

ADJUSTING THE BLADE GUARD FOR DEPTH OF CUT

The blade guard can be moved up or down to accommodate the height of the work to be cut **A**.

To prevent the blade (which is flexible and which would not otherwise be supported) from slipping out of position during cutting, and to reduce risks of injuries, a minimum amount of blade should be exposed.

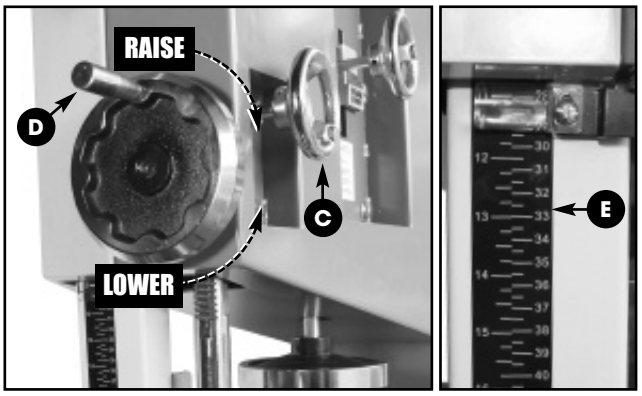
The blade guard should be set 1/8" - 1/4" above the workpiece B to prevent the blade from flexing out of position or offline during cutting.



BEFORE MAKING ANY ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.

1. Make sure the bandsaw is turned off and the power cord is disconnected from the power source.
2. Loosen the blade guard height locking handwheel **C**.
3. Move the blade guard assembly up or down by turning the handwheel **D**. Then re-tighten the locking handwheel **C**.

Note: The depth gauge E on the blade guard can be used as a reference but it is not intended for high precision measurements.

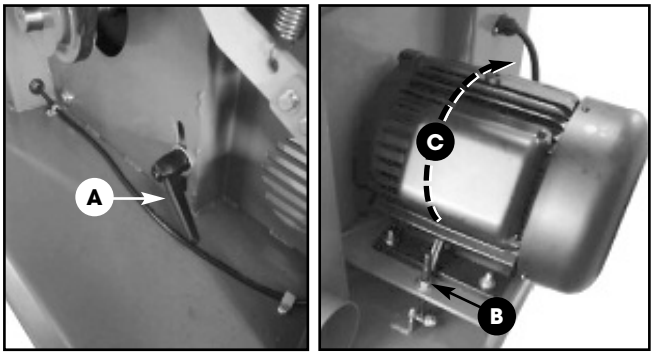


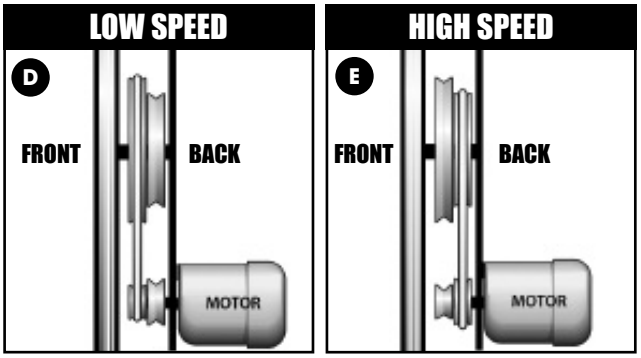
CHANGING SPEED SETTINGS (model 90-290 only)

The model 90-290 has 2 different speed settings; low and high.

- Low speed is to be used for cutting soft woods over 4" in height or hard woods over 2" in height.
- High speed is best for cutting soft woods under 4" in height or hard woods under 2" in height.

Note: If wood starts to burn at high speed, stop and change to the lower speed setting.





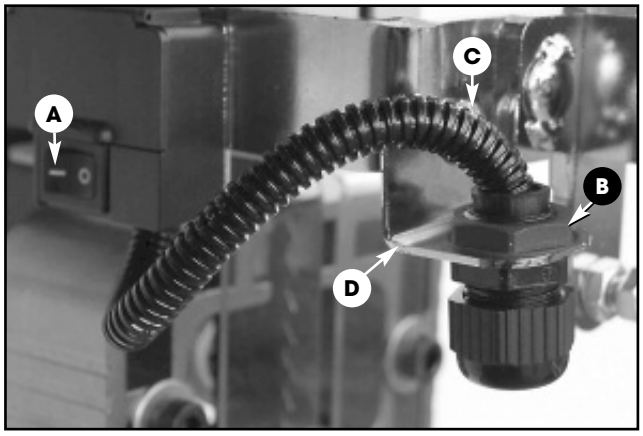
BEFORE MAKING ANY ADJUSTMENTS, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED.

1. Open the lower wheel cover door.
2. Loosen ratchet lever **A** a few turns counterclockwise and loosen nut **B** on the motor mounting plate, then lift the motor by hand and tighten ratchet lever **A** and nut **B** to lock the motor in position. This will loosen the drive belt enough to move it between one set of pulleys and the other.
3. To set the bandsaw speed to the low setting; 2820 Lin. FPM (860 MPM), place the belt on the front set of pulleys as shown in **D**
4. To set the bandsaw speed to the high setting; 3936 Lin. FPM (1200 MPM), place the belt on the back set of pulleys as shown in **E**.
5. After positioning the belt, set the motor back to it's initial position to tighten the belt on the pulleys, then turn ratchet lever **A** clockwise and re-tighten nut **B** to secure the motor in place.

ALIGN THE LASER LINE MARKER TO THE BLADE

The laser line marker shines a straight line beam of light representing the line of cut onto the workpiece. To align the marker to the blade:

1. Place your workpiece on the table and set the height of the blade guard.
2. Turn the laser switch, **A**, **ON**:
3. Loosen lock nut **B** and turn the laser head clockwise or counterclockwise as needed to align the beam with the blade.
4. Loosen hex bolt **C** to move the laser L bracket **D** left or right as needed until the beam overlaps the blade.



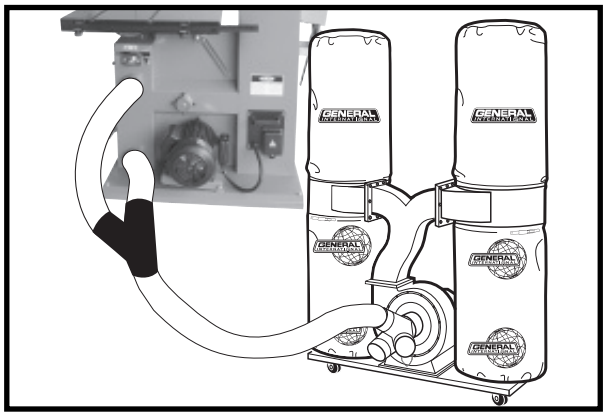
OPERATING INSTRUCTIONS

CONNECTING TO A DUST COLLECTOR

This bandsaw is equipped with two 4" diameter dust chutes to accommodate connection to a dust collector (not included).

Be sure to use appropriate sized hose and fittings (not included) and check that all connections are sealed tightly to help minimize airborne dust.

If you do not already own a dust collection system consider contacting your General® International distributor for information on our complete line of dust collection systems and accessories or visit our Web Site at: www.general.ca.



ALWAYS TURN ON THE DUST COLLECTOR BEFORE STARTING THE SAW AND ALWAYS STOP THE SAW BEFORE TURNING OFF THE DUST COLLECTOR.

CHECKLIST BEFORE STARTING

NOTE: Now that you have completed the four adjustment steps which are an essential part of safe, accurate bandsaw operation, it would be a good idea to make yourself a checklist to ensure that each adjustment to the bandsaw is made in the proper order starting with the general safety precautions:

1. ***Turn off the bandsaw and unplug the power cord.***
2. ***Adjust blade tension.***
3. ***Adjust blade tracking.***
4. ***Adjust upper blade guides and thrust bearing.***
5. ***Adjust lower blade guides and thrust bearing.***

These additional safety measures should be be included in your checklist:

6. ***Make sure all the blade guards are in place.***
7. ***Make sure the bandsaw table and work area in general are clean and free of sawdust and debris.***

These steps should always be followed when any adjustment is performed, the blade is changed, or periodically as vibration and normal wear and tear on the machine could throw these parts out of alignment.

OPERATIONS STEP-BY-STEP

TO REDUCE THE RISK OF DAMAGE TO THE BANDSAW OR THE WORKPIECE, AS WELL AS POTENTIAL FOR PERSONAL INJURY, AFTER INITIAL SET-UP AS WELL AS BEFORE EACH USE, MAKE SURE THAT EVERYTHING IS SECURELY INSTALLED AND THAT ALL FASTENERS AND MOVING PARTS ON THIS BANDSAW ARE LOCKED IN PLACE BEFORE STARTING THE MACHINE.

1. Trace the cutting line on your workpiece with a pencil (for cutting curves) or adjust the laser beam to mark the cutting line (for cutting straight lines). If needed, refer back to section "Align the laser line marker to the blade" on page 21.
2. Set the height of the blade guard according to the thickness of your workpiece (see section: "Adjusting the blade guard for depth of cut" on page 20.)
3. If a dust collector is connected to your bandsaw, turn it on.

MAKE SURE TO HAVE ON SAFETY GLASSES AT ALL TIMES WHEN USING THE BANDSAW.

MAKE SURE YOU ARE WEARING SAFE APPROPRIATE WORKSHOP ATTIRE. ROLL UP LONG SLEEVES, SECURE LONG HAIR AND REMOVE ANY JEWELRY: WATCHES, RINGS, BRACELETS OR ANYTHING THAT COULD GET STUCK IN THE MOVING PARTS OF THE BANDSAW, POTENTIALLY CAUSING SERIOUS INJURIES.

4. Push the green "ON" button to start the bandsaw.

Note: The power lock-out switch must first be set to the "ON" position.

5. Align the cutting line on your workpiece with the blade and feed the workpiece into the blade.

Tip: The use of a roller stand provides an extra support for more convenience when working with longer workpieces.

TO STOP THE MACHINE

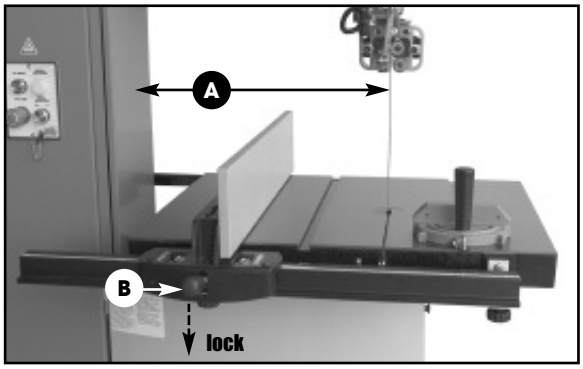
1. Push on the RED "STOP" button and wait for the blade to come to a complete stop.
2. Turn your dust collector off.

USING THE RIP FENCE

1. Set the fence down on the rail either to the left or right of the blade.

Note: For narrow workpieces that fit between the frame of the saw and the blade* A*, position the fence at the left side of the blade. For cutting longer or wider workpieces, position the fence, on the right side of the saw blade.

2. Adjust the positioning of the fence on the rail so that the distance from the inside face of the rip fence to the blade matches the required width of cut.
3. Lock down the fence locking handle **B**.



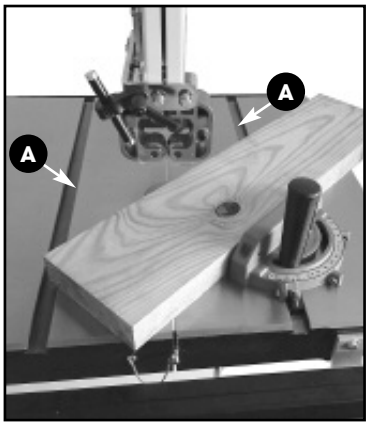
MAKE SURE TO LOCK THE FENCE IN PLACE BEFORE STARTING TO CUT AGAINST THE RIP FENCE.

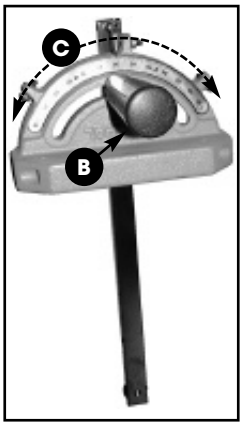
USING THE MITER GAUGE

Using the miter gauge supplied with your bandsaw allows for easier and safer sawing by providing workpiece support when cutting straight (90°) or angled ends (0° to 30°).

The miter gauge rides in either the left or right table slot **A** and can be set to any angle up to 30° to the left or right.

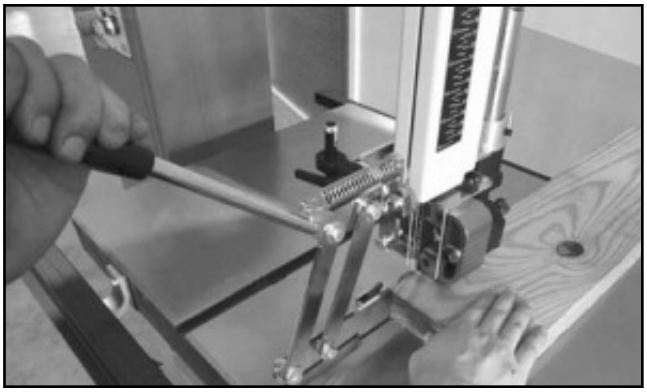
To use a setting other than 90°, loosen the locking handle **B** by turning it counterclockwise. Rotate the miter head to the required angle, shown on the angle indicator **C**. Then turn the locking handle **B** clockwise to tighten it.





USING THE PUSH HANDLE

The push handle helps to reduce the risk of user injury through contact with the blade. It acts as a stock feeder allowing you to push the last few inches of the board through the blade as shown, while keeping hands at a safe distance away from the blade.



CUTTING CURVES

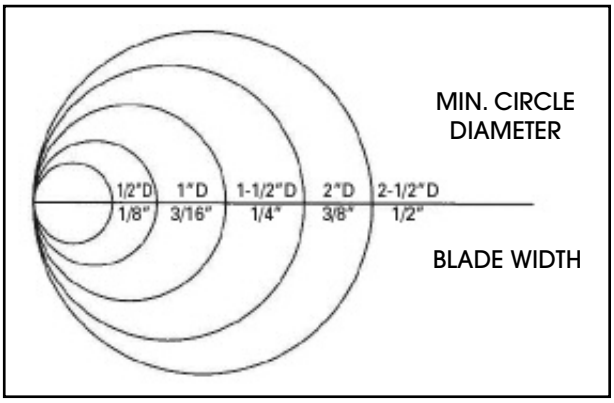
- When cutting curves, carefully turn the workpiece so the blade follows without twisting. If the curve is so sharp that you repeatedly back up and cut new kerf, use a narrower blade, or a blade with more set (teeth further apart). When a blade has more set, the workpiece turns easier but the cut is rougher.
- When changing a cut, do not withdraw the workpiece from the blade. The blade may get drawn off the wheels.
- To change a cut, turn the workpiece and cut your way out through the waste material area.
- When cutting long curves, make relief cuts as you go along.

CUTTING CIRCLES

1. Adjust the blade guard assembly to 1/8" above the workpiece.

2. Use both hands while feeding the work into the blade. Hold the workpiece firmly against the table. Use gentle pressure. Do not force the work. Allow the blade to cut.

3. The smallest diameter circle that can be cut is determined by the width of the blade. For example, a 1/4" wide blade will cut a minimum diameter of approximately 1-1/2" .



PERIODIC MAINTENANCE AND LUBRICATION

ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE.

PERIODIC MAINTENANCE

NEVER OPERATE THE BANDSAW WITH ANY DAMAGED PART. REPLACE A DAMAGED PART AT THE FIRST VISIBLE SIGNS OF DAMAGE.

1. Inspect/test the ON/OFF switch before each use. Do not operate the bandsaw with a damaged switch; replace a damaged switch immediately.

2. Periodically inspect the power cord/plug and the blade for damage.

TO AVOID EYE INJURY FROM BLOWING DEBRIS, WEAR SAFETY GOGGLES WHEN BLOWING OUT SAWDUST.

3. Keep the machine clean and free of sawdust. Frequently blow out or vacuum up the sawdust and occasionally wipe down the machine with a damp rag.

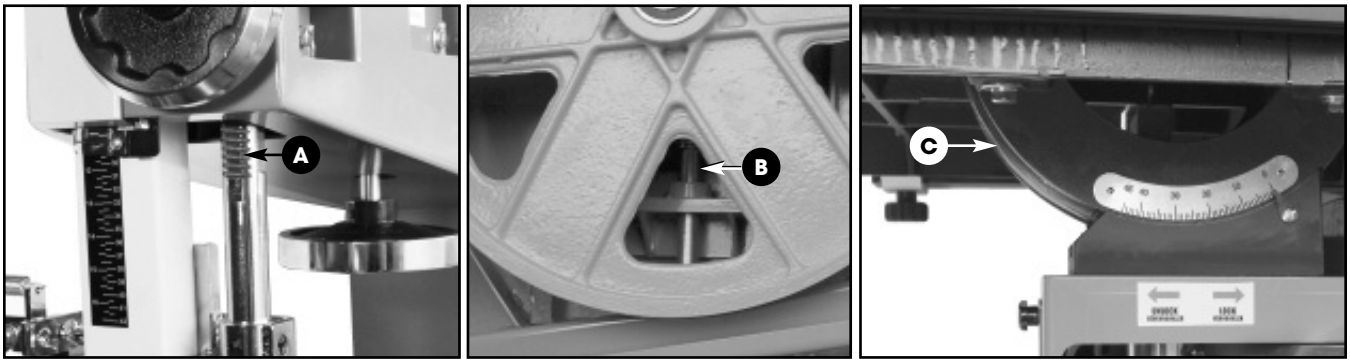
Note: The wheels must always be kept clean. Dirt on the wheels will cause blade slippage.

4. Do not allow dirt, pitch or gum to build up on the table, blade, guide/thrust bearings. Clean as needed with gum and pitch remover.

Note: Do not immerse the bearings in the gum and pitch remover.

5. To prevent rust from forming on the unpainted cast iron of the table, and so that the wood slides easily while cutting, apply a light coating of paste wax or use regular applications of any after-market surface protectant or rust inhibitor.

LUBRICATION



Keep the rack and pinion **A**, blade tension adjustment screw **B**, as well as the table trunnion **C**, well greased and free of dust or debris.

Clean and remove dust, debris, and old grease after every 10-15 hours of use. After cleaning, re-apply grease as needed. (Use any all purpose grease.)

The motor and all bearings are sealed and permanently lubricated – no further lubrication is required. No other part of this bandsaw needs lubrication.

REQUIRED MAINTENANCE

ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE.

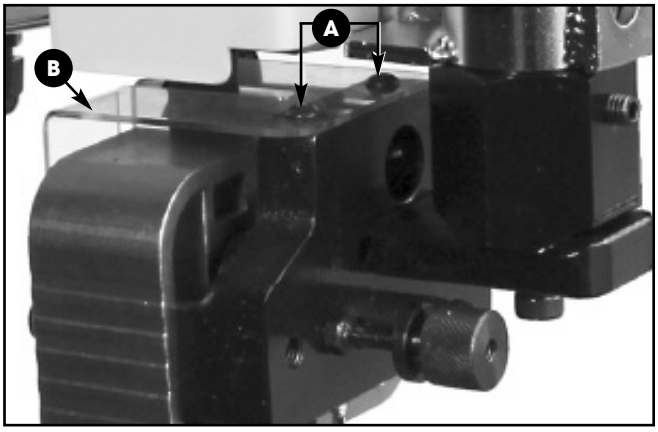
REPLACING THE BANDSAW BLADE

The blade should be replaced when worn out. Refer to the following symptoms to determine whether or not it is time to replace the blade:

- It is not cutting as fast.
- It is not able to follow a cutting line as it used to.

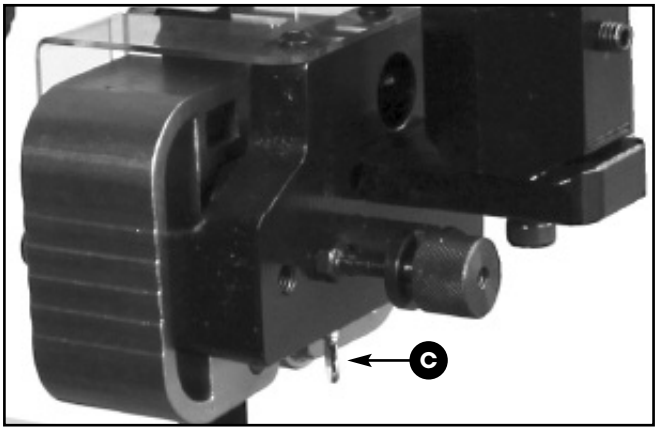
REPLACING THE UPPER AND LOWER BLADE GUIDES AND THRUST BEARINGS

Blade guides and thrust bearings should be verified each time the blade is replaced. Check if they turn well. If not, the blade will get stuck or jammed between them and will wear prematurely. Replace the blade guide bearings and thrust bearing as follows:

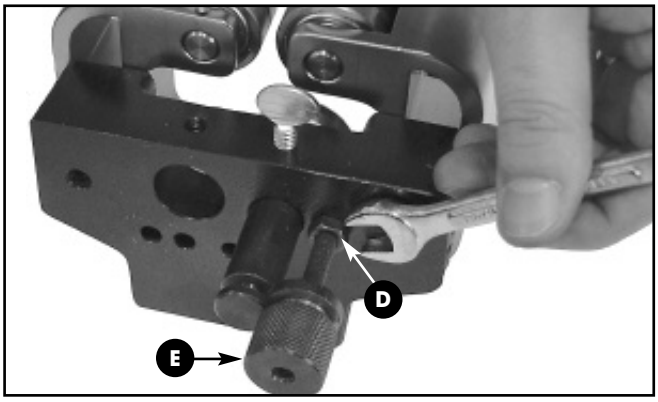


1. Turn off the bandsaw and unplug the power cord.

2. Loosen and remove the two phillips screws **A** and remove the two see-through guards.

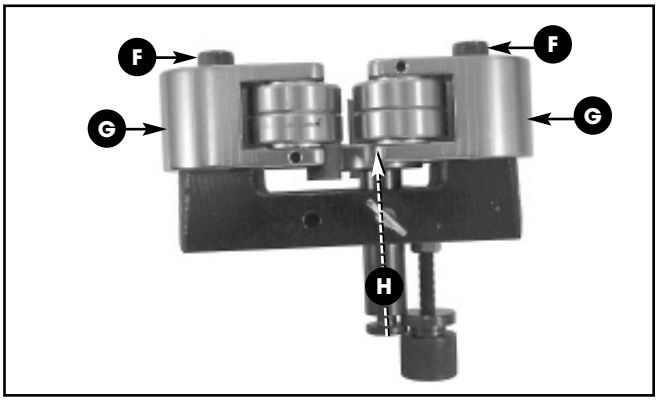


3. Loosen thumb screw **C** and remove the blade guide and thrust bearing assembly from the saw.



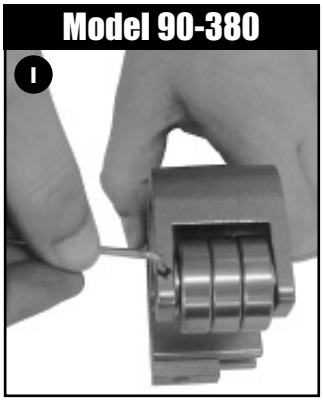
4. Using a 10 mm wrench, loosen hex nut **D**.

5. Using the supplied 3 mm Allen key, loosen and remove bolt **E**.



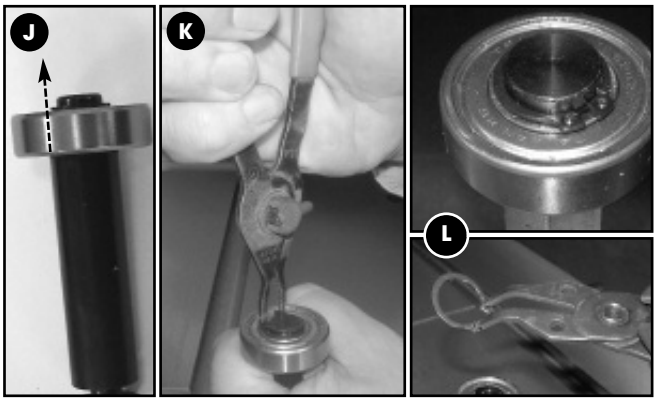
6. Loosen and remove the cap screw **F** on both red mounts **G**, then remove the two red mounts.

7. Remove the thrust bearing and mounting shaft **H**.



8. Using a 2.5 mm Allen key, loosen and remove the set screw **I** on both left and right red mounts.

9. Install new bearings in the red mounts then re-tighten the set screw to secure the new bearings in place.



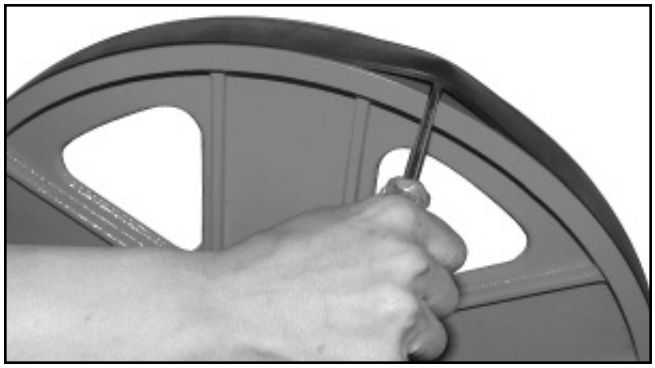
10. To remove the thrust bearing from it's shaft, **J**, use C-ring pliers, **K**, to remove the "C ring" **L**, then slide the thrust bearing off the shaft.

11. Install a new bearing on the shaft then re-install the C-ring.

12. Repeat steps 1 to 7 in reverse order to re-install the blade guide and thrust bearing assembly.

Repeat steps 1 to 12 with the lower blade guide and thrust bearing.

REPLACING THE WHEEL TIRE

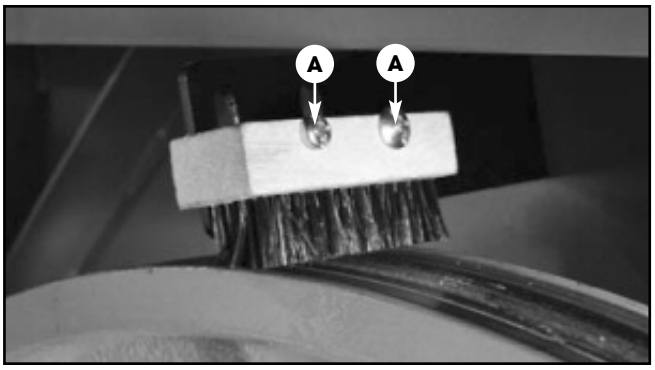


Wheel tires must be replaced if they get worn out or damaged. (If it is worn out, the blade will not track straight on the wheels.)

Use a flat screwdriver to remove the tire from the groove on the wheel, then install a new tire.

Note: When replacing the tires, stretch them around the wheels but do not glue them on.

LOWERING THE WHEEL BRUSH



The lower wheel is equipped with a cleaning brush that prevents pitch and sawdust build up on the lower tire. Any pitch and sawdust that builds up on the upper wheel tire should be removed with a stiff brush or scraped off with a piece of wood.

Note: To avoid damaging the tire do not use a sharp knife or any kind of solvent to remove pitch build up.

Verify that the brush keeps the lower wheel tire surface clean at all times. With use and normal wear over time, the brush hairs will soften and will not clean the surface of the wheel as well. You then must lower the brush slightly. Proceed as follows:

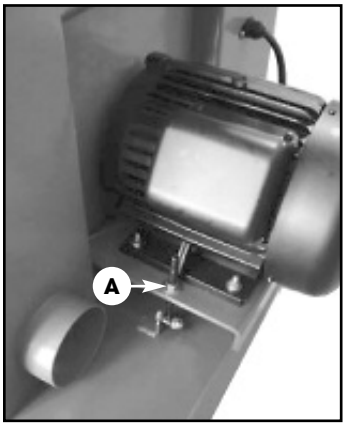
1. Loosen the 2 screws **A** and slide the brush down along the mounting holes, so that a fresh, stiffer part of the hairs touches the wheel tire.
2. Tighten the 2 screws **A** to lock the brush in position.

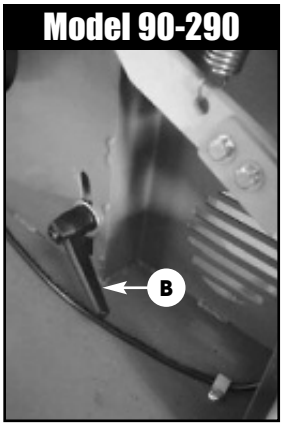
REPLACING LOWER WHEEL MOTOR BELT(S*)

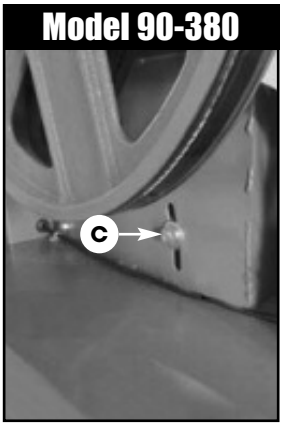
***The lower wheel on model 90-290 is driven by one belt while the lower wheel on model 90-380 is driven by two belts**

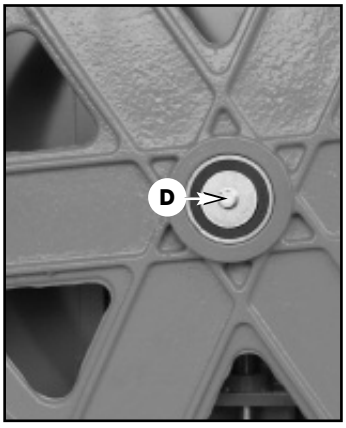
The lower wheel is driven by (a) belt(s*) mounted on a pulley powered by the motor. The belt(s*) tension should be verified upon reception of the machine, then every 6 months.

Push on the belt(s*) with your finger. The belt(s*) must not move more than 1/8". If the belt(s*) becomes too loose due to wear or if a breakage occurs, you must replace it (them*) as follows:









1. Loosen (but do not remove) the nut, **A**, located beside the motor plate as well as the ratchet lever **B** (model 90-290)/ bolt **C** (model 90-380). This will loosen the motor belt(s*).
2. Loosen the bolt, **D**, located in the middle of the lower wheel, using the supplied 14 mm open end wrench, then remove the wheel.
3. Install (a) new belt(s*) on the pulleys.
4. Re-install the wheel.
5. Re-tighten ratchet lever **B** (model 90-290) / bolt **C** (model 90-380) and nut **A** to tighten the motor belt(s*).

RECOMMENDED OPTIONAL ACCESSORIES

Here are some optional accessories available from your local General International dealer for increased convenience, accuracy and safety when using your bandsaw.

For more information about our products, please visit our website at **www.general.ca**

DUST COLLECTORS

Dust collectors contribute to a cleaner more healthful workshop environment.

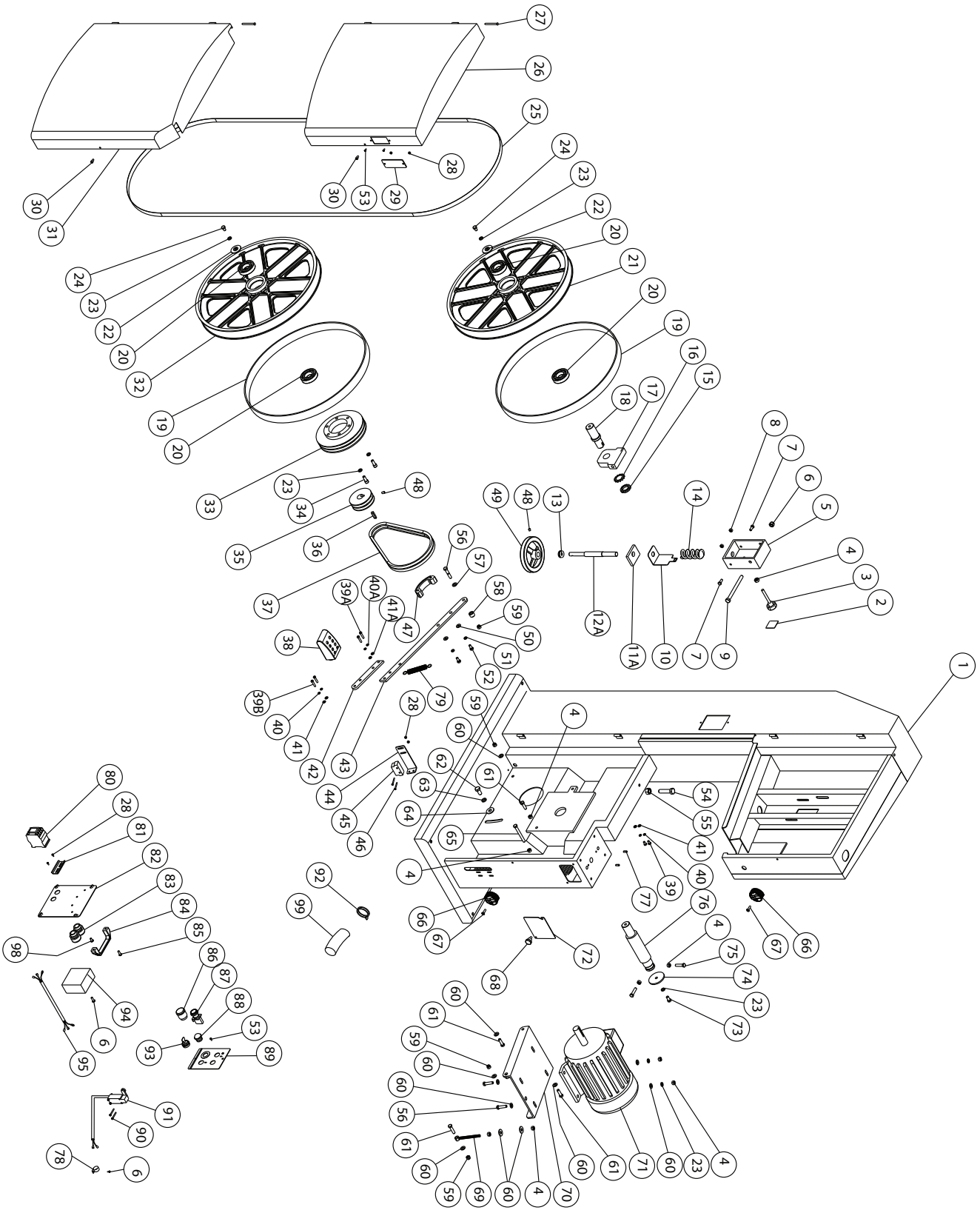
We offer a wide selection of top quality dust collectors to suit all your shop needs.

Roller Stand
item #50-150
item #50-160
item #50-170

We offer a selection of roller stands to suit all your shop needs.

Notes

MAIN ASSEMBLY – 90-290



BLADE GUIDE AND BLADE GUARD ASSEMBLY – 90-290

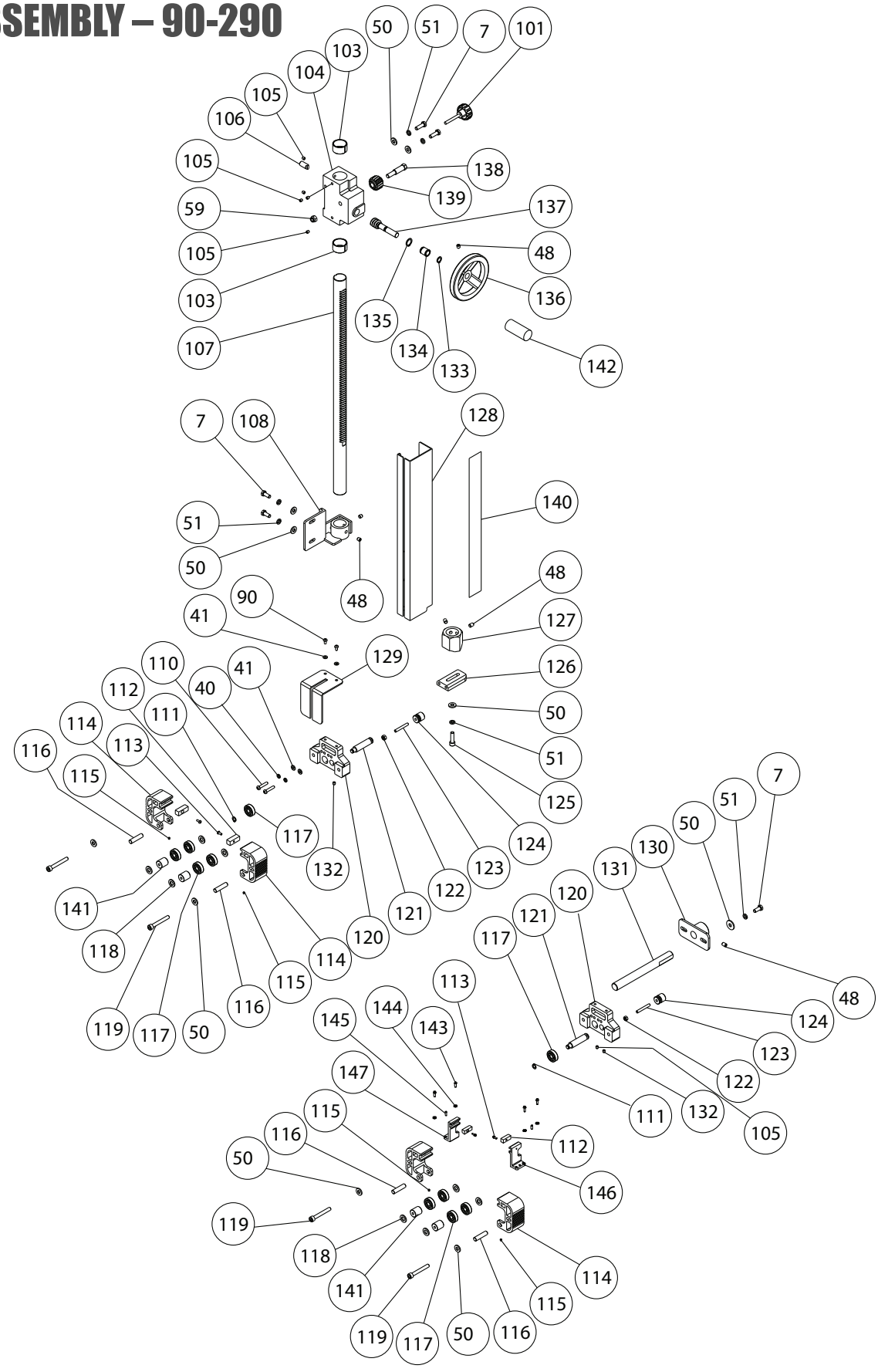
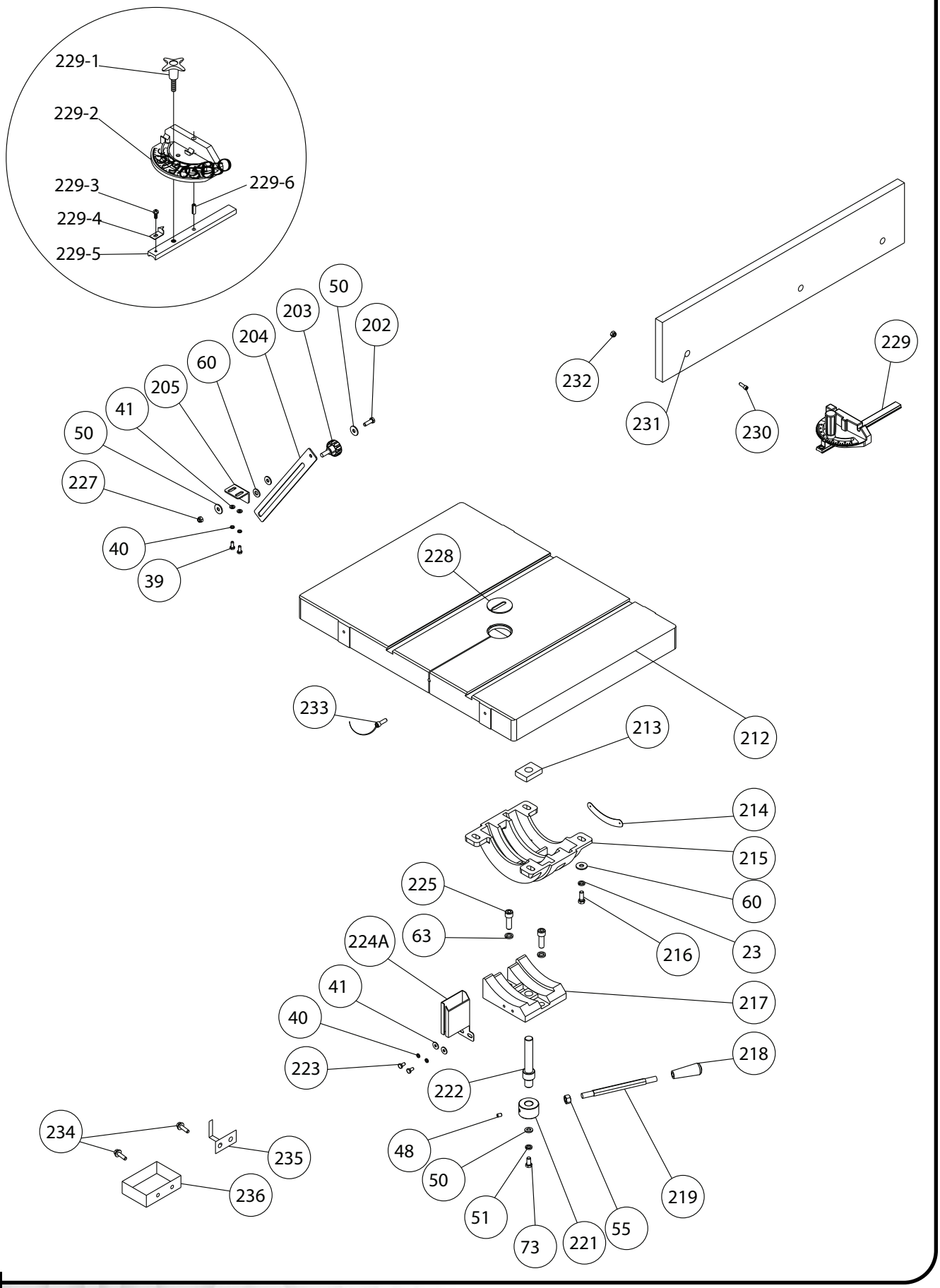


TABLE ASSEMBLY – 90-290



PARTS LIST – 90-290 M1

REF. NO.	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
1	90290-01	BODY		1
2	90290-02	BLADE TENSION LABEL		1
3	90290-03	HANDWHEEL		1
4	90290-04	HEX NUT	3/8"	13
5	90290-05	HOUSING		1
6	90290-06	NYLON NUT	12MM	1
7	90290-07	HEX BOLT	5/16"X3/4"	10
8	90290-08	HEX NUT	5/16"	2
9	90290-09	HEX BOLT	M12X150	1
10	90290-10	BLADE TENSION POINTER		1
11A	90290-11A	ADJUSTMENT NUT		1
12A	90290-12A	SCREW		1
13	90290-13	THRUST BEARING		1
14	90290-14	SPRING		1
15	90290-15	SPINDLE NUT		1
16	90290-16	STAR WASHER	30MM	1
17	90290-17	UPPER WHEEL SHAFT BASE		1
18	90290-18	UPPER WHEEL SHAFT		1
19	90290-19	WHEEL TIRE		2
20	90290-20	BEARING		4
21	90290-21	UPPER WHEEL		1
22	90290-22	WHEEL WASHER		2
23	90290-23	LOCK WASHER	3/8"	18
24	90290-24	HEX BOLT	3/8"X3/4"	2
25	90290-25	SAW BLADE	145-5/8"	1
26	90290-26	UPPER DOOR		1
27	90290-27	HINGE PIN		4
28	90290-28	HEX NUT	3/16"	6
29	90290-29	WINDOW		1
30	90290-30	CAP SCREW	1/4"X3/8"	2
31	90290-31	LOWER DOOR		1
32	90290-32	LOWER WHEEL		1
33	90290-33	PULLEY		1
34	90290-34	CAP SCREW	3/8"X1 1/4"	6
35	90290-35	MOTOR PULLEY		1
36	90290-36	KEY	8X8X45	1
37	90290-37	V-BELT	B40	1
38	90290-38	FOOT BRAKE		1
39	90290-39	HEX HEAD BOLT	1/4"X3/4"	4
39A	90290-39A	CAP SCREW	3/8"X3/4"	2
39B	90290-39B	CAP SCREW	1/4”X3/4”	2
40	90290-40	LOCK WASHER	1/4"	10
40A	90290-40A	LOCK WASHER	3/8"	2
41	90290-41	FLAT WASHER	1/4"	12
41A	90290-41A	FLAT WASHER	3/8"	2
42	90290-42	BRAKE BAR (SHORT)		1
43	90290-43	BRAKE BAR (LONG)		1
44	90290-44	BRUSH BRACKET		1
45	90290-45	BRUSH		1
46	90290-46	PHILLIPS HEAD SCREW	3/16"X1 1/2"	2
47	90290-47	BRAKE PAD		1
48	90290-48	SET SCREW	5/16"	10
49	90290-49	HANDWHEEL		1
50	90290-50	FLAT WASHER	5/16"	18
51	90290-51	LOCK WASHER	5/16"	11
52	90290-52	HEX BOLT	5/16"X1 1/4"	2
53	90290-53	PHILLIPS HEAD SCREW	3/16"X1/2"	4
54	90290-54	HEX BOLT	1/2"X4"	1

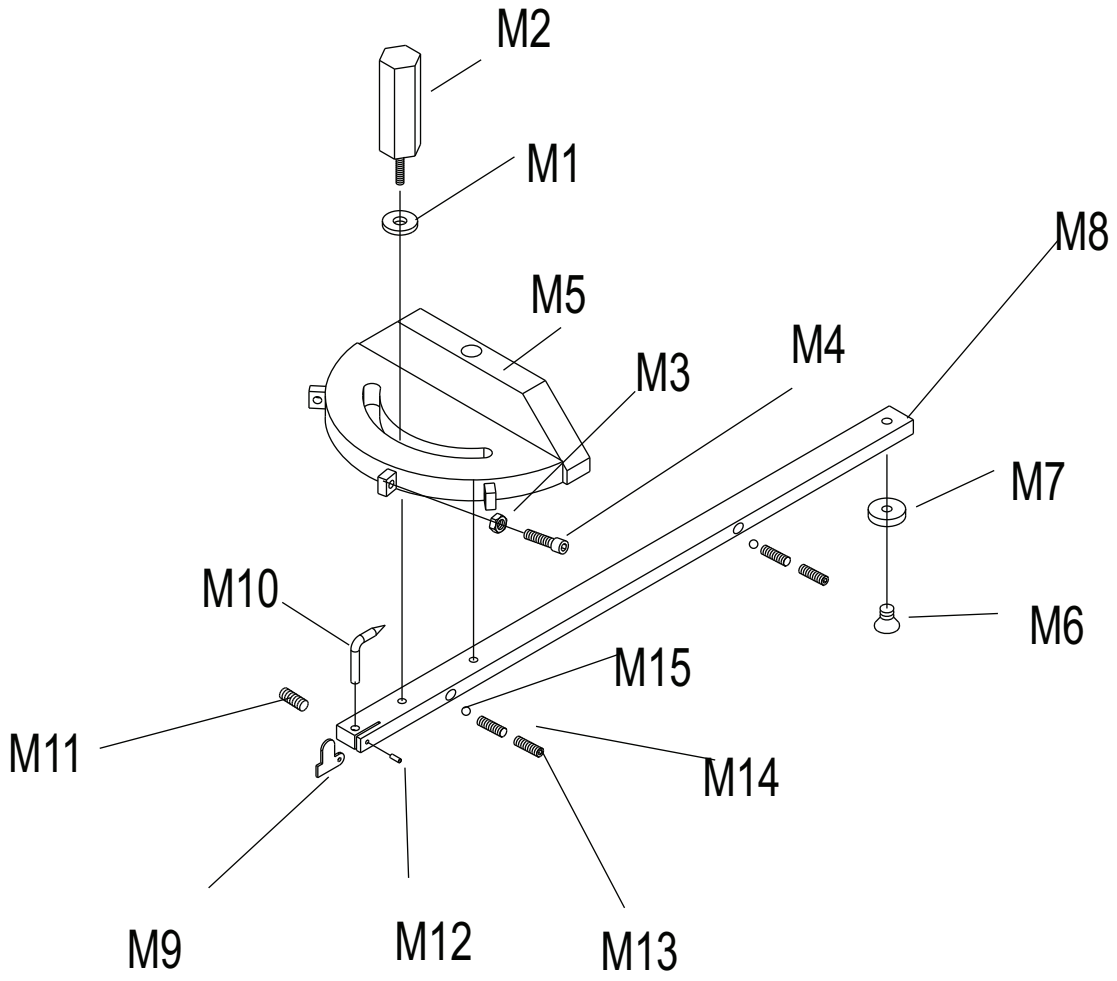
PARTS LIST – 90-290 M1

REF. NO.	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
55	90290-55	HEX NUT	1/2"	2
56	90290-56	HEX BOLT	3/8"X2"	5
57	90290-57	FLAT WASHER	3/8"	1
58	90290-58	BUSHING		1
59	90290-59	LOCK NUT	3/8"	5
60	90290-60	FLAT WASHER	3/8"	21
61	90290-61	HEX BOLT	3/8"X1 1/2"	4
62	90290-62	RATCHET HANDLE		1
63	90290-63	LOCK WASHER	1/2"	3
64	90290-64	FLAT WASHER	1/2"	1
65	90290-65	HEX BOLT	3/8"X5"	1
66	90290-66	DOOR LOCK KNOB		2
67	90290-67	SCREW		2
68	90290-68	LOCK KNOB	1/4"X3/8"	2
69	90290-69	SCREW		1
70	90290-70	MOTOR MOUNTING PLATE		1
71	90290-71	MOTOR M1	3 HP, 220 V, 1 PH, 16 A	1
71-A	90290-71-A	MOTOR M2	3 HP, 220/440 V, 3 PH, 8.4 A/4.2 A	1
71-B	90290-71-B	MOTOR M3	3 HP, 600 V, 3 PH, 3.5 A	1
72	90290-72	WINDOW		1
73	90290-73	HEX BOLT	3/8"X1"	2
74	90290-74	SHAFT COVER		1
75	90290-75	CAP SCREW	3/8"X2"	4
76	90290-76	LOWER WHEEL SHAFT		1
77	90290-77	PIN	6X18MM	1
78	90290-78	WIRE CLAMP		2
79	90290-79	SPRING		1
80	90290-80	CONTACTOR		1
81	90290-81	CONTACTOR PLATE		1
82	90290-82	MOUNTING PLATE		1
83	90290-83	STRAIN RELIEF		2
84	90290-84	HANDLE		1
85	90290-85	PHILLIPS HEAD SCREW	1/4"X3/4"	2
86	90290-86	STOP BUTTON		1
87	90290-87	ON BUTTON		1
88	90290-88	POWER LIGHT		1
89	90290-89	CONTROL PANEL PLATE		1
90	90290-90	BUTTON HEAD SCREW	5X10MM	6
91	90290-91	LIMIT SWITCH		1
93	90290-93	LOCK-OUT SWITCH		1
94	90290-94	TERMINAL BOX		1
95	90290-95	MOTOR CORD		1
96	90290-96	CLAMP		1
98	90290-98	PHILLIPS HEAD SCREW	3/16"X1/2"	2
99	90290-99	PLASTIC TUBE		1
100	90290-100	LOCK-OUT SWITCH KEY		2
101	90290-101	HANDWHEEL		1
103	90290-103	SLEEVE BEARING		2
104	90290-104	GUIDE BRACKET		1
105	90290-105	SET SCREW	1/4"	6
106	90290-106	PIN		1
107	90290-107	BLADE GUARD RACK		1
108	90290-108	BLADE GUARD PINION		1
110	90290-110	BUTTON HEAD SCREW	6X30MM	2
111	90290-111	EXTERNAL RETAINING RING	S10	2
112	90290-112	BAKELITE BLOCK		4
113	90290-113	BUTTON HEAD SCREW	4X12MM	4
114	90290-114	BLADE GUIDE MOUNT		4
115	90290-115	SET SCREW	4MMX4MM	4
116	90290-116	BEARING SHAFT		4
117	90290-117	BEARING		10

PARTS LIST – 90-290 M1

REF. NO	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
118	90290-118	FLAT WASHER	3/8"	8
119	90290-119	CAP SCREW	8X55 MM	4
120	90290-120	BLADE GUIDE BRACKET		2
121	90290-121	BLADE GUIDE BRACKET SHAFT		2
122	90290-122	HEX NUT	M6	2
123	90290-123	SET SCREW	6X50 MM	2
124	90290-124	ADJUSTMENT NUT		2
125	90290-125	CAP SCREW	5/16"X1 1/4"	1
126	90290-126	SLIDE BLOCK		1
127	90290-127	HEX BLOCK		1
128	90290-128	BLADE GUARD		1
129	90290-129	DEPTH SCALE POINTER		1
130	90290-130	BLADE GUIDE BRACKET HOLDER		1
131	90290-131	SUPPORT SHAFT (L)		1
132	90290-132	THUMB SCREW		2
133	90290-133	EXTERNAL RETAINING RING	S13	1
134	90290-134	WORM BUSHING		1
135	90290-135	EXTERNAL RETAINING RING	S17	1
136	90290-136	HANDWHEEL		1
137	90290-137	WORM GEAR		1
138	90290-138	GEAR SHAFT		1
139	90290-139	GEAR		1
140	90290-140	DEPTH SCALE		1
141	90290-141	BUSHING		4
142	90290-142	HANDWHEEL HANDLE		1
143	90380-143	CAP SCREW	M5 X 16	4
144	90380-144	WASHER	M5 X12	4
145	90380-145	PIN	5 X 14	2
146	90380-146	BLADE GUIDE EXTENSION BRACKET (R)		1
147	90380-147	BLADE GUIDE EXTENSION BRACKET (L)		1
202	90290-202	HEX BOLT	5/16"X1"	1
203	90290-203	LOCK KNOB		1
204	90290-204	ANGLE ADJUSTMENT BRACKET		1
205	90290-205	ANGLE ADJUSTMENT BRACKET BASE		1
212	90290-212	TABLE		1
213	90290-213	SQUARE NUT		1
214	90290-214	ANGLE INDICATOR SCALE		1
215	90290-215	TRUNNION		1
216	90290-216	HEX BOLT	3/8"X1 1/4"	4
217	90290-217	TRUNNION BASE		1
218	90290-218	LOCKING LEVER HANDLE	1/2"	1
219	90290-219	TABLE LOCKING LEVER		1
221	90290-221	ADJUSTING RING		1
222	90290-222	SHAFT		1
223	90290-223	HEX BOLT	1/4-20X3/8"	2
224A	90290-224	LOWER BLADE GUARD		1
225	90290-225	CAP SCREW	1/2"X1 1/2"	2
227	90290-227	LOCK NUT	5/16"	1
228	90290-228	TABLE INSERT		1
229	90290-229	MITER GAUGE		1
230	90290-230	FLAT HEAD SCREW	1/4"	3
231	90290-231	AUXILIARY FENCE		1
232	90290-232	HEX NUT	1/4"	3
233	90290-233	TABLE ALIGNMENT PIN		1
234	90290-234	HEX BOLT		4
235	90290-235	RIP FENCE STORAGE BRACKET		1
236	90290-236	MITER GAUGE STORAGE BRACKET		1
238	90290-238	PUSH HANDLE ASSEMBLY		1
F13	90075-F13	SQUARE NUT		2
F16	90075-F16	LOCK KNOB		2

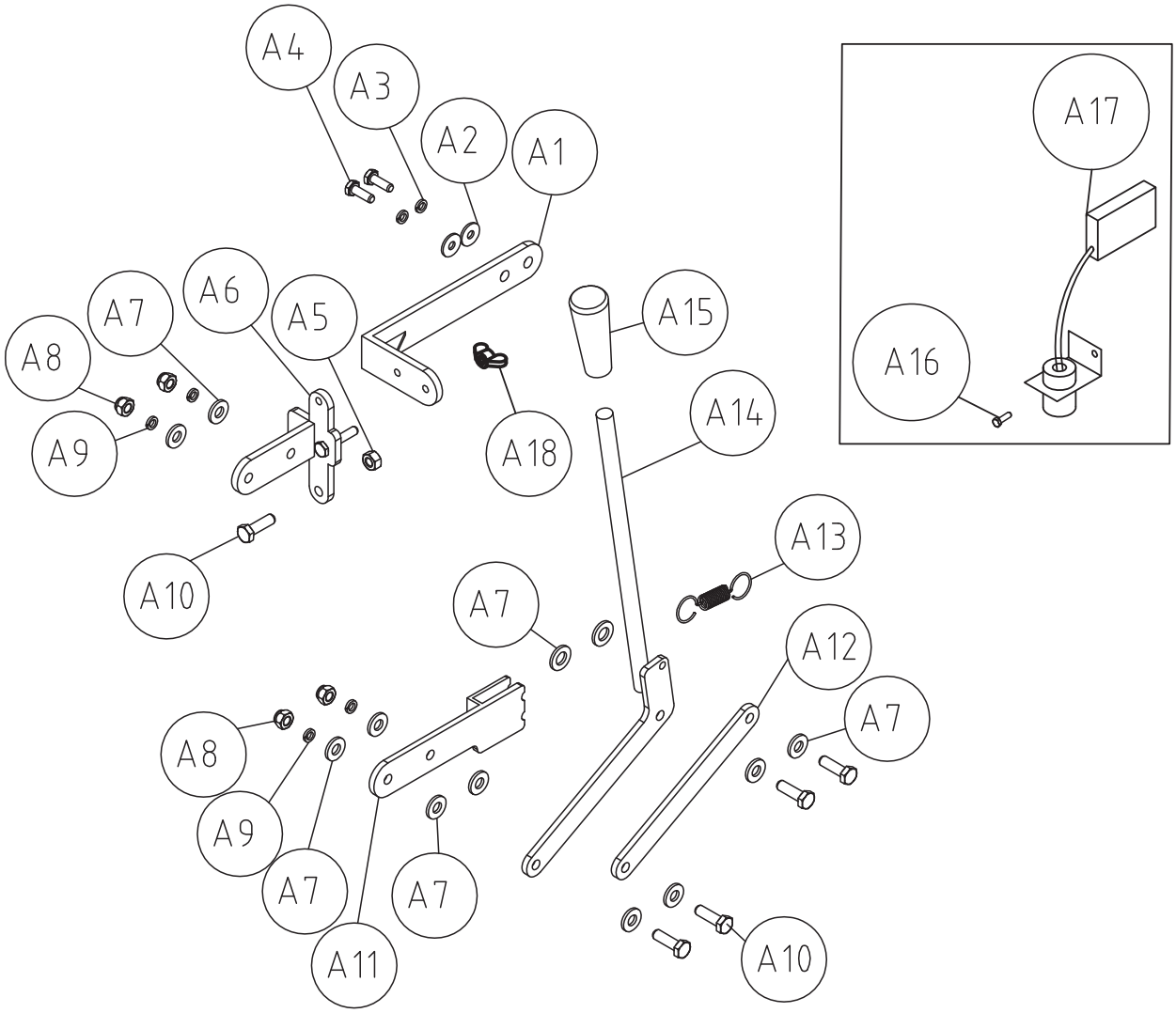
MITER GAUGE ASSEMBLY – 90-290 & 90-380



PARTS LIST – 90290-229

REF. NO.	PART NO.	DESCRIPTION	SPECIFICATION	QTY
229-M1	90290-229M1	WASHER		1
229-M2	90290-229M2	HANDLE		1
229-M3	90290-229M3	NUT	3/16'-24UNC	3
229-M4	90290-229M4	SET SCREW	3/16'-24UNC-3/4"L	3
229-M5	90290-229M5	MITER GAUGE HEAD		1
229-M6	90290-229M6	FLAT HEAD SCREW	3/16'-24UNC-3/8"L	1
229-M7	90290-229M7	T SLOT WASHER		1
229-M8	90290-229M8	GUIDE BAR		1
229-M9	90290-229M9	STOP		1
229-M10	90290-229M10	POINTER		1
229-M11	90290-229M11	SET SCREW	3/16'-24UNC-1/4"L	1
229-M12	90290-229M12	GROOVE PIN		1
229-M13	90290-229M13	SET SCREW		2
229-M14	90290-229M14	SPRING		2
229-M15	90290-229M15	STEEL BALL		2

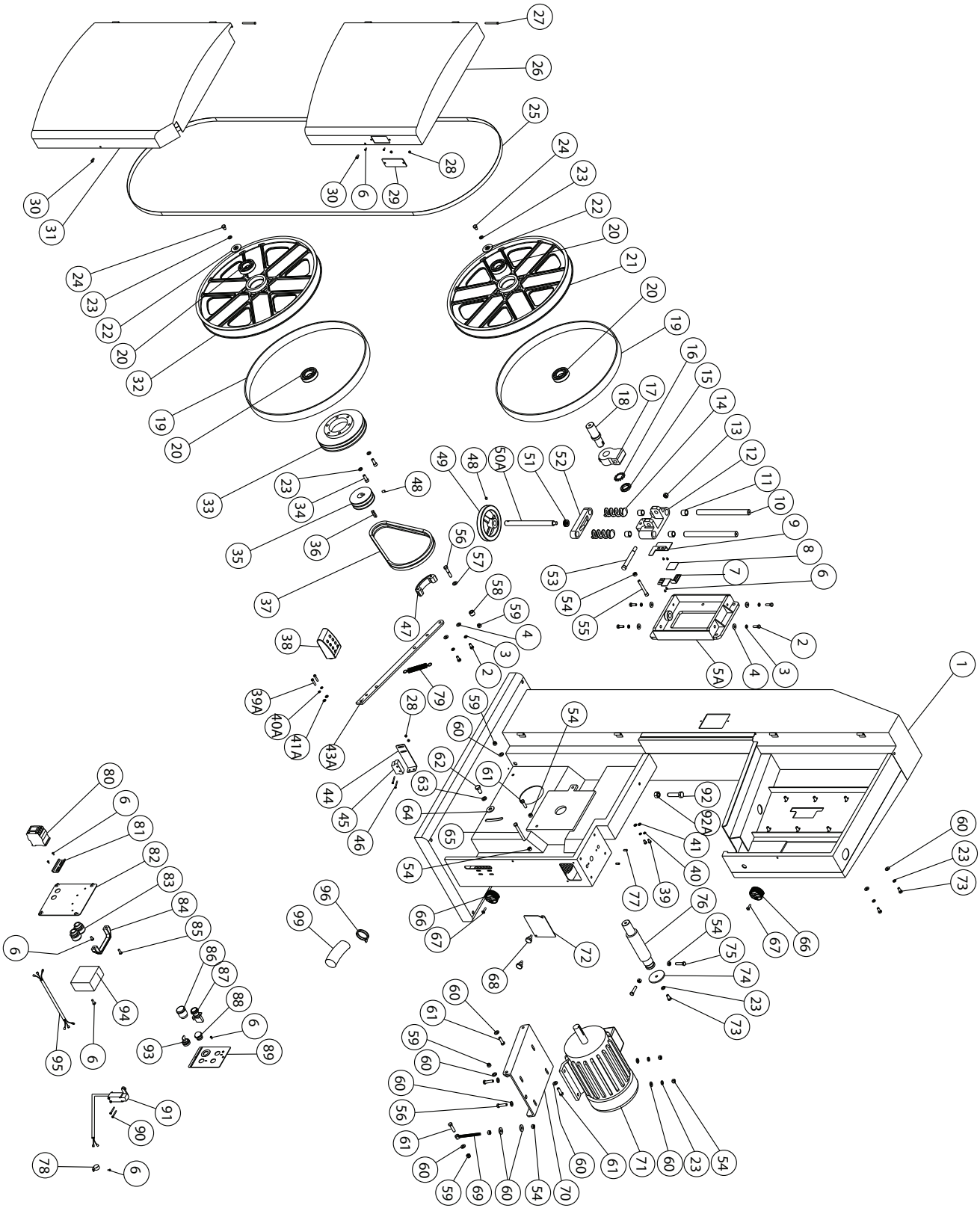
PUSH HANDLE ASSEMBLY – 90-290 & 90-380



PARTS LIST – 90290-238

REF. NO.	PART NO.	DESCRIPTION	SPECIFICATION	QTY
A1	90290-A1	MAIN BASE		1
A2	90290-A2	FLAT WASHER	1/4"	4
A3	90290-A3	LOCK WASHER	1/4"	4
A4	90290-A4	HEX BOLT	1/4"X5/8"	4
A5	90290-A5	HEX NUT	5/16"	1
A6	90290-A6	T TYPE BASE		1
A7	90290-A7	FLAT WASHER	5/16"	12
A8	90290-A8	LOCK NUT	5/16"	4
A9	90290-A9	LOCK WASHER	8MM	4
A10	90290-A10	HEX BOLT	5/16"X1"	5
A11	90290-A11	PUSHER		1
A12	90290-A12	LINK PLATE		1
A13	90290-A13	SPRING		1
A14	90290-A14	HANDLE SHAFT		1
A15	90290-A15	HANDLE KNOB	1/2"	1
A16	90290-A16	HEX BOLT		1
A17	90290-A17	LASER		1
A18	90290-A18	WING NUT		2

MAIN ASSEMBLY – 90-380



BLADE GUIDE AND BLADE GUARD ASSEMBLY – 90-380

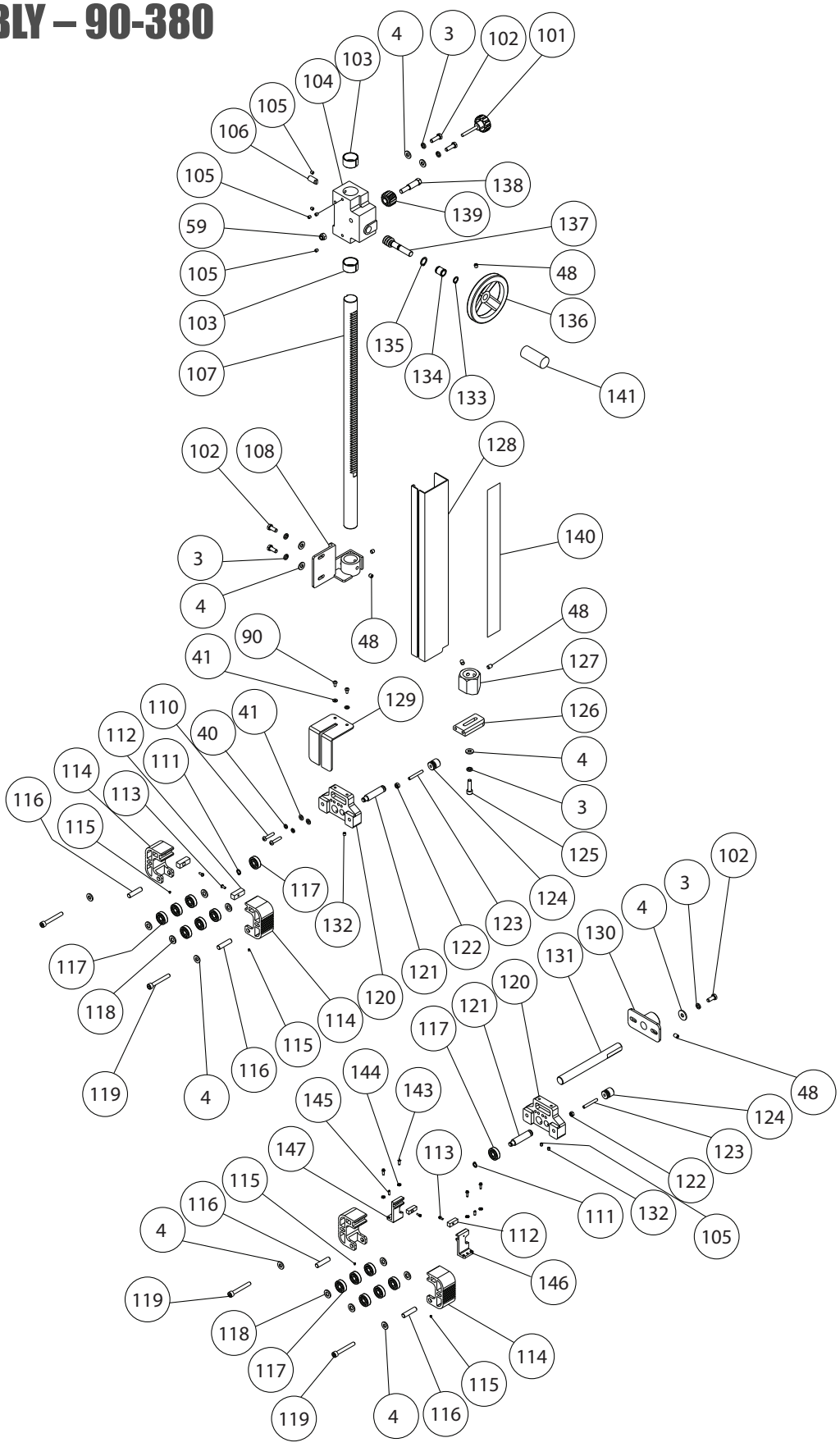
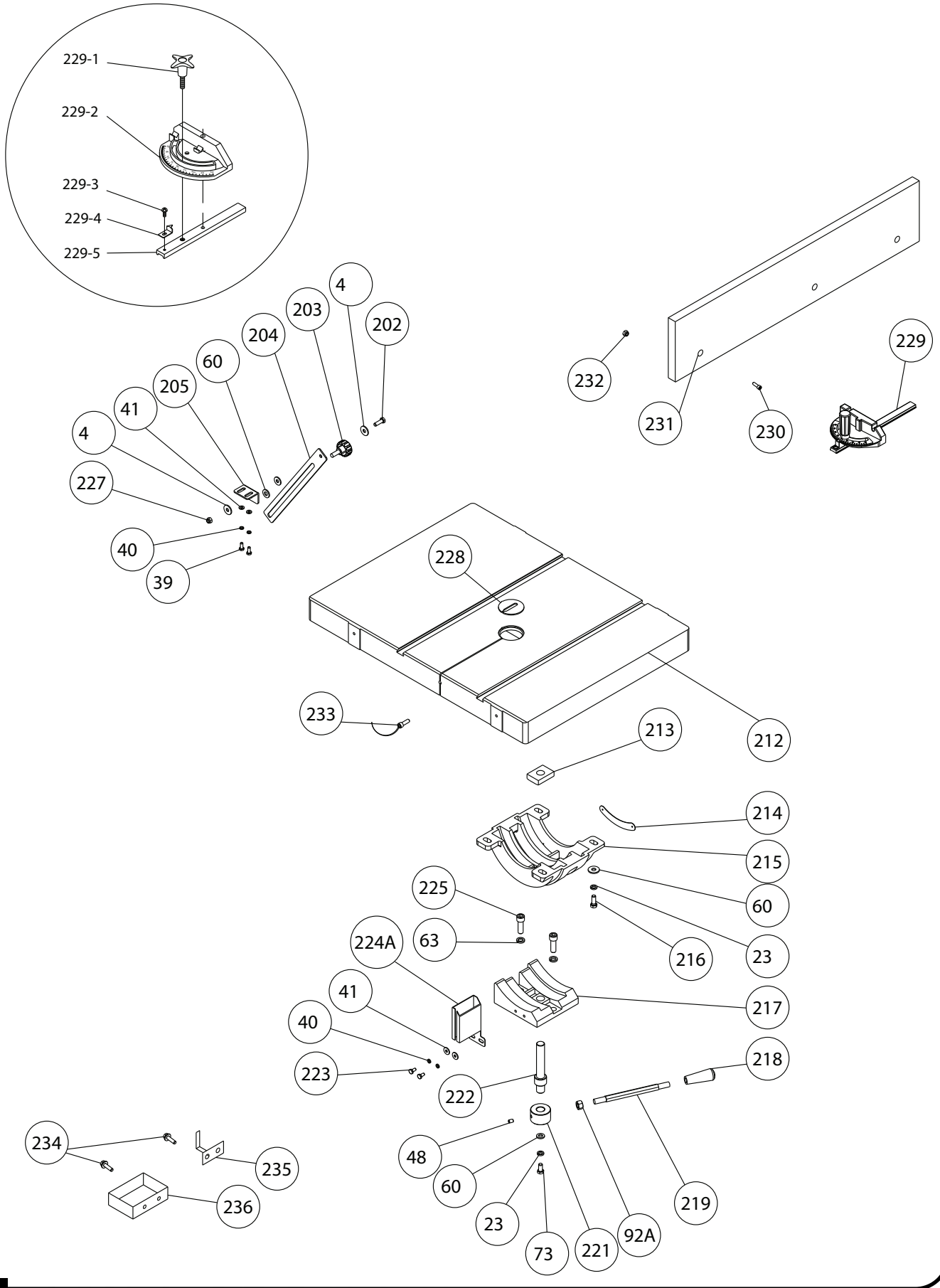


TABLE ASSEMBLY – 90-380



PARTS LIST – 90-380 M1

REF. NO.	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
1	90380-01	BODY		1
2	90380-02	HEX BOLT	5/16"X1 1/4"	6
3	90380-03	LOCK WASHER	5/16"	15
4	90380-04	FLAT WASHER	5/16"	21
5A	90380-05A	HOUSING		1
6	90380-06	PHILLIPS HEAD SCREW	3/16"X1/2"	14
7	90380-07	BLADE TENSION POINTER		1
8	90380-08	BLADE TENSION LABEL		1
9	90380-09	POINTER COVER		1
10	90380-10	SLIDE SHAFT		2
11	90380-11	SLEEVE BEARING		4
12	90380-12	SLIDE BASE		1
13	90380-13	RETAINER NUT		1
14	90380-14	SPRING		2
15	90380-15	SPINDLE NUT		1
16	90380-16	STAR WASHER	30MM	1
17	90380-17	UPPER WHEEL SHAFT BASE		1
18	90380-18	UPPER WHEEL SHAFT		1
19	90380-19	WHEEL TIRE		2
20	90290-20	BEARING		4
21	90380-21	UPPER WHEEL		1
22	90290-22	WHEEL WASHER		2
23	90380-23	LOCK WASHER	3/8"	24
24	90380-24	HEX BOLT	3/8"X3/4"	2
25	90380-25	BLADE	174-1/4"	1
26	90380-26	UPPER DOOR		1
27	90290-27	HINGE PIN		4
28	90380-28	HEX NUT	3/16"	4
29	90290-29	WINDOW		1
30	90380-30	CAP SCREW	1/4"X3/8"	2
31	90380-31	LOWER DOOR		1
32	90380-32	LOWER WHEEL		1
33	90380-33	LOWER WHEEL PULLEY		1
34	90380-34	CAP SCREW	3/8"X1 1/4"	6
35	90380-35	MOTOR PULLEY		1
36	90380-36	KEY	8X8X45	1
37	90380-37	BELT	A36	2
38	90380-38	FOOT BRAKE		1
39	90380-39	HEX BOLT	1/4"X3/4"	2
39A	90290-39A	CAP SCREW	3/8"X3/4"	2
40	90380-40	LOCK WASHER	1/4"	8
40A	90290-40A	LOCK WASHER	3/8"	2
41	90380-41	FLAT WASHER	1/4"	4
41A	90290-41A	FLAT WASHER	3/8"	2
43A	90380-43A	BRAKE BAR		1
44	90290-44	BRUSH BRACKET		1
45	90290-45	BRUSH		1
46	90380-46	PHILLIPS HEAD SCREW	3/16"X1 1/2"	2
47	90290-47	BRAKE PAD		1
48	90380-48	SET SCREW	5/16"	10
49	90290-49	HANDWHEEL		1
50A	90380-50A	SCREW		1
51	90380-51	THRUST BEARING		1
52	90380-52	SPRING BASE		1
53	90380-53	SHAFT		1
54	90380-54	HEX NUT	3/8"	13
55	90380-55	HANDWHEEL		2
56	90380-56	HEX BOLT	3/8"X2"	6
57	90380-57	FLAT WASHER	3/8"	2
58	90380-58	BUSHING		1

PARTS LIST – 90-380 M1

REF. NO.	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
59	90380-59	LOCK NUT	3/8"	5
60	90380-60	FLAT WASHER	3/8"	27
61	90380-61	HEX BOLT	3/8"X1 1/2"	4
62	90380-62	HEX BOLT	1/2"X1 1/2"	1
63	90380-63	LOCK WASHER	1/2"	3
64	90380-64	FLAT WASHER	1/2"	1
65	90380-65	HEX BOLT	3/8"X5"	1
66	90290-66	DOOR LOCK KNOB		2
67	90380-67	SCREW		2
68	90380-68	LOCK KNOB	1/4"X3/8"	2
69	90290-69	SCREW		1
70	90380-70	MOTOR MOUNTING PLATE		1
71	90380-71	MOTOR M1	5 HP, 220 V, 1 PH, 26 A	1
71-A	90380-71-A	MOTOR M2	7.5 HP, 220/440 V, 3 PH,22/11 A	1
71-B	90380-71-B	MOTOR M3	7.5 HP, 600 V, 3 PH, 8 A	1
72	90380-72	WINDOW		1
73	90380-73	HEX BOLT	3/8"X1"	8
74	90290-74	SHAFT COVER		1
75	90380-75	CAP SCREW	3/8"X2"	4
76	90380-76	LOWER WHEEL SHAFT		1
77	90380-77	PIN	6X18MM	2
78	90380-78	CORD CLIP		1
79	90290-79	SPRING		1
80	90380-80	CONTACTOR		1
81	90380-81	CONTACTOR PLATE		1
82	90290-82	MOUNTING PLATE		1
83	90380-83	STRAIN RELIEF		2
84	90290-84	HANDLE		1
85	90380-85	PHILLIPS HEAD SCREW	1/4"X3/4"	2
86	90380-86	STOP BUTTON		1
87	90380-87	ON BUTTON		1
88	90380-88	POWER LIGHT		1
89	90290-89	CONTROL PANEL PLATE		1
90	90380-90	BUTTON HEAD SCREW	5X10MM	6
91	90380-91	LIMIT SWITCH		1
92	90290-92	HEX BOLT	1/2"X4"	1
92A	90380-92A	HEX NUT	1/2"	2
93	90380-93	LOCK-OUT SWITCH		1
94	90290-94	TERMINAL BOX		1
95	90380-95	MOTOR CORD		1
96	90380-96	CLAMP		1
99	90380-99	PLASTIC TUBE		1
100	90380-100	LOCK-OUT SWITCH KEY		2
101	90290-101	HANDWHEEL		1
102	90380-102	HEX BOLT	5/16"X3/4"	8
103	90380-103	SLEEVE BEARING		2
104	90380-104	GUIDE BRACKET		1
105	90380-105	SET SCREW	1/4"X1/4"	6
106	90290-106	PIN		1
107	90380-107	BLADE GUARD RACK		1
108	90380-108	BLADE GUARD PINION		1
110	90380-110	BUTTON HEAD SCREW	6X30MM	2
111	90380-111	EXTERNAL RETAINING RING	S10	2
112	90380-112	BAKELITE BLOCK		4
113	90380-113	BUTTON HEAD SCREW	4X12MM	4
114	90290-114	BLADE GUIDE MOUNT		4
116	90290-116	BEARING SHAFT		4
117	90290-117	BEARING		14
118	90380-118	FLAT WASHER	3/8"	8
119	90380-119	CAP SCREW	8X55MM	4

PARTS LIST - 90-380 M1

REF. NO	PART. NO.	DESCRIPTION	SPECIFICATION	QTY
120	90290-120	BLADE GUIDE BRACKET		2
121	90290-121	BLADE GUIDE BRACKET SHAFT		2
122	90380-122	HEX NUT	M6	2
123	90380-123	SET SCREW	6X50MM	2
124	90290-124	ADJUSTMENT NUT		2
125	90380-125	CAP SCREW	5/16"X1 1/4"	1
126	90290-126	SLIDE BLOCK		1
127	90380-127	HEX BLOCK		1
128	90380-128	BLADE GUARD		1
129	90290-129	DEPTH SCALE POINTER		1
130	90290-130	BLADE GUIDE BRACKET HOLDER		1
131	90290-131	SUPPORT SHAFT (L)		1
132	90380-132	THUMB SCREW		2
133	90380-133	EXTERNAL RETAINING RING	S13	1
134	90380-134	WORM BUSHING		1
135	90290-135	EXTERNAL RETAINING RING	S17	1
136	90290-136	HANDWHEEL		1
137	90290-137	WORM GEAR		1
138	90290-138	GEAR SHAFT		1
139	90290-139	GEAR		1
140	90380-140	DEPTH SCALE		1
141	90380-141	HANDLE		1
142	90290-142	HANDWHEEL HANDLE		1
143	90380-143	CAP SCREW	M5 X 16	4
144	90380-144	WASHER	M5 X12	4
145	90380-145	PIN	5 X 14	2
146	90380-146	BLADE GUIDE EXTENSION BRACKET (R)		1
147	90380-147	BLADE GUIDE EXTENSION BRACKET (L)		1
202	90380-202	HEX BOLT	5/16"X1"	1
203	90290-203	LOCK KNOB		1
204	90380-204	ANGLE ADJUSTMENT BRACKET		1
205	90290-205	ANGLE ADJUSTMENT BRACKET BASE		1
212	90380-212	TABLE		1
213	90290-213	SQUARE NUT		1
214	90290-214	ANGLE INDICATOR SCALE		1
215	90380-215	TRUNNION		1
216	90380-216	HEX BOLT	3/8"X1 1/4"	4
217	90380-217	TRUNNION BASE		1
218	90290-218	LOCKING LEVER HANDLE	1/2"	1
219	90290-219	TABLE LOCKING LEVER		1
221	90290-221	ADJUSTING RING		1
222	90290-222	SHAFT		1
223	90380-223	HEX BOLT	1/4-20X3/8"	2
224A	90290-224	LOWER BLADE GUARD		1
225	90380-225	CAP SCREW	1/2"X1 1/2"	2
227	90380-227	LOCK NUT	5/16"	1
228	90290-228	TABLE INSERT		1
229	90290-229	MITER GAUGE		1
230	90380-230	FLAT HEAD SCREW	1/4"	3
231	90290-231	AUXILIARY FENCE		1
232	90380-232	HEX NUT	1/4"	3
233	90290-233	TABLE ALIGNMENT PIN		1
234	90380-234	HEX BOLT		4
235	90290-235	RIP FENCE STORAGE BRACKET		1
236	90290-236	MITER GAUGE STORAGE BRACKET		1
238	90380-238	PUSH HANDLE ASSEMBLY		1
F13	90075-F13	SQUARE NUT		2
F16	90075-F16	LOCK KNOB		2

MODEL 90-290/90-380

8360 Champ-d'Eau, Montreal (Quebec) Canada H1P 1Y3

Tel.: (514) 326-1161
Fax: (514) 326-5565 - Parts & Service / Fax: (514) 326-5555 - Order Desk

orderdesk@general.ca
www.general.ca

IMPORTANT

When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.